LANGUAGE DANGER SALT he Altming Journal IMERCIAL GAZETTE.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES

No. 702.—Vol. XIX.]

LONDON, SATURDAY, FEBRUARY 3, 1849.

PRICE 6D.

Stannaries of Cornwall-In the Vice-Wlarben's Court.

WHEREAS the VICE-WARDEN did, by an ORDER, or DEOREE, made in the above-mentioned came, and bearing date the 7th Au DEGREE, made in the above-mentioned cause, and bearing date the 7th day November last, Order and Decree, that a SALE be made of the ORES, HALVANS, and necessary, the ENGINES, MACHINERY, and MATERIALS, upon and belonging to ENOW CONSOLS MINE, in the parain of PERRANUTRINOE, within the assistances, under the direction of the Registrar of this Court, and that the proceeds of such a should be applied by the said Registrar in the manner directed by the same Order Decree.

cree.
ice is hereby given, that, pursuant to the said Order or Docree, a PUBLIC AUC
will be HOLDEN, at TRENOW CONSOLS MINE afrecasid, on Friday, the lett
February next, at Eleven o'clock in the foreneon, for SELLING the undermen
MINING MACHINERY—vis.

TON will be REVERSE & Eleven o'clock in the forenoon, for Sell-Like the minimum of officer of the Minimum and Mini

ORTH FOWEY CONSOLS MINE, in the parish of LANLIVERY, near ST. BLAZEY, CORNWALL.

MPORTART SALE.

The very excellent ENGINE, of 48-inch cylinder, on the above-named mine, nearly and pronounced to be a superior machine, erected under the chief superintendence ir. William west, together with all the MATERIALS, consisting of—

A boiler, 16 tons

Capitan and shears

A borse-willing and capitanyouse

4 Whim kibbles

4 William kibbles

4 William kibbles

4 William kibbles

Boits and burs

A quantity of old and new timeer, &c.

TO BE SOLD, in One Lot, by PRIVATE CONTRACT; if not disposed of in One Lot, previous to the 7th day of March next, of which at least one week's notice will be given the ENGINE and MATERIALS will BE SOLD on the MINE, BY PUBLIC AUCTION, in separate lots, on the 7th day of March next, to commence at Eleven of clock forence.

TE QUARRY, in CARNARYONSHIRE —TO BE LET, for such term, and on such conditions, as may be agreed upon, RIGHT of WORKING a valuable ROCK of SLATE, on the BLAENY-CWM-FRIDD, he parsh of PERMACRINE, upon which a large sum of money has been expended iriving a level, and in other works. The metal of this rock has been proved to be at to that of the finest Feetingle Quartels, which his in the vicinity. The undertaking ald suit a joint-stock company or a private speculator, as it can now be brought into of the finest Pestinion Quarries, whitestock company or a private make cort, at a comparatively a are apply to Errancis Hallows. It a quarries, to Air, Humphrey W.

ARMARTHENSHIRE.—TO BE LET, OR SOLD, soveral SEAMS OF ANTHRACITE COAL and IRONSTONE, lying under the FARMS CHAPTERY, NEW 1887, FOY, and ROSEFACH, situate in the parishes of LLANELLY and LLANELPHENER, in the said county. If required, the SURFACE since will BE institute of the Ridwelly Canal institute of the Ridwelly Canal institute from Femiliary Fonting Harbout 8 miles, where the present demand for coa

AMES BOYDELL, LAND, MINE, AND MACHINERY VALUER, AND AGENT.

54, THREADNEEDLE-STREET, LONDON,
large quantity of STEEL and MANUFACTURED HARDWARE

off to the proprieter.

I likewise in North Wales, worked upon cost, close to a shipping nort, and now in profitable work.

LEASE of a very celebrated FOUNDRY and ENGINEERING ESTABLISHMENT as the River Doe, complete, with fixtures, machinery and tools, in working order, and eady for any parties to embark at once on building first-class from steam-vessels, and sarine and locomotive engines.

RICHARDSON respectfully began to inform the public, that being MINING SURVEY, in the EASTERN PART of CORNWALL, necrtate the SURVEY of any MINE and MINING GROUND, in an during the sensing mount. Plans and Sections of Underground W, and Estimates for, overy kind of Machinery, Reports on Lines and Hilliographic Ministrated dotails, Propoctuses for New Companies and every assistance readered necessary to Mining Enterprise—char Mr. C. S. R. further wishes to inform his friends, that he is present ENTIRE WORKING of any MINE BY CONTRACT, according a security of payment being chiered into by the amployers. Letter) to the office, 6, Whitefriars-street, London; or to Mr. Thompton, or Mr. Warne, St. Austell. MINERAL ESTATE PROPRIETORS, MINING

REAT ST. JUST CONSOLS TIN AND COPPER MINING COMPANY.

MINING TOMPANY.

MINING TOMPANY.

In CORNWALL, one of the mineral parishes in the county, and are bounded on all sides by rich and prosper and copper mines—namy of the lodge of which are known to run into these mines, borts of the various mining captains, who have lately inspected the eetts, speak of the most fattering and excouraging terms, and strongly recommend the work-

se reports are set out at length in the prospectus of the company, which can be ed at the offices of the committee of management (which is already formed), No. 3,

UADALCANAL SILVER MINING ASSOCIATION,
SEVILLE DIPORTANT INFORMATION having been RECEIVED from the
FANY'S AGENT, under date of January 17th, the same will be OPEN to the PEALO the SHAREHOLDERS, at the offices of the company, 34, Broad-street-buildindifferent from Twelve to Four.

By order of the directors,
H. T. BYDE, Secretary.

YN-Y-CEUNANT SLATE QUARRIES, TALLY-LYN,

MEMONETHSHIRE.

In 4000 shares, or parts—on the "Cost-book Principle."

Application for shares to be made on or before Thursday, the 15th February inst., to neled Attenborough, Esq., solicita, 24, Lincoln's Inn. fields; or to the managers, 24, and aftered buildings, City, where prospectures may be had.

RENANCE MINES COMPANY—At the Half-yearly canaral Meeting of sharebelders, hold at the office, No. 12, Cornhill, London, on day, the 26th day of Jamary, 1849.

General Meeting of shareholders, hold at the office, No. 12, Cornhill, London, on GEORGE BURNAND, Faq., in the chair, Che following resolutions were passed:

Proposed by J. H. Pidcock, Esq., and seconded by J. Macmolkan, Esq., That the report and accounts, now read, be received, adopted, and entered in the cost and transfer book.—Carries unanimously.

Proposed by S. W. Griffin, Esc., and seconded by J. H. Pidcock, Esq., That the best thanks of the meeting, se given to the chairman and directors for their them to the best thanks of the meeting, se given to the chairman and directors for their them to the theorem of the business of the company.—Carried unanimously.

determined to hold an EXHIBITION of MANUFACTURES, MODELS
CHINERY, &c., during the MEETING of the BRITISH ASSOCIATION at BII
HAM, in the month of SEFTEMBER next, manufacturers and other parties who willing to co-operate with the Exhibition Committee, are requested to analyticulars to the Honorary Secretaria. Philosophical Institution, Birmingha

CALIFORNIA COLONISATION COMPANY—For PURCHASING AND OCCUPYING A TRACT OF COUNTRY, AND MINING, IN CALIFORNIA.

Under the Squetton and Protection of the American Government;

AND TRADING BETWEEN GREAT BRITAIN, THE UNITED STATES, THE EAST INDIES, AND OTHER COUNTRIES.

Capital 2500,000, in 50,000 shares, of 210 each.—Disposit 21 per share.

OPPICES, 6, FINSBURY-SQUARE, LONDON.

In connection with the above-named company, an "Emigration Society" is formation, by which means the poorer classes will be enabled to obtain thou ges which can only be attained by the association of numbers. Prospectuaes will be ready for issue in a few days, when the names of the company, will appear.

RASTERN ARCHIPELAGO COMPANY

INCORPORATED BY ROYAL CHARTER.

JOHN MACGREGOR, Esq., M.P. (lats Secretary of the Board of Trade), C
BAYERS.— Mesers. Glyn, Ralifax, Mills, and Co., London.

The objects of fluis company are, to earry on mining, agricultural, and tratious in the Eastern Archipelago, and the acculting and disposing of lands if
(Labman, and the parts adjacent (Borneo), a region abounding in mineral writte in all the valuable tropical productions, and very happily situated for to
frommerce.

of commerce.

Applications for details, prospectuses, and for the remaining shares, may be addressed to Messrs. Carden and Whitehead, No. 2, Royal Exchange Buildings; Messrs. Gledstanes and Co. No. 3, White Lion Court, Cornhill; Messrs. Fritchard and Dale, Liverpool; A Kraus, Eeg., Manchesier; Messrs. F. 5 Dickinson and Co., Novessile-on-Tyrae; William Bell, Eeg., and Messrs. J. Wilson Pillatis, and Co., Edinburgh; B. J. Wilson, Eeg., Dablin; John Maggregor. Eeg., M.P., Chairman, Albengum Cinb, Pall Mall; Henry Wise, Eeg., Managing Director; or Mr. Woolley, Socretary, Nb. 1, Adam Street, Adelphi.

Pai, Managing Director; or Mr. Woolley, Socretary, Mb. 1, Adam Street, Adolphi.

RAILWAY PASSENGERS' ASSURANCE COMPANY.
(PROVISIONALLY REGISTERED.)

Capital ONE MILLION.

OFFICE. No. 3, OLD BROAD-STREET, LONDON.
JOHN DEAN PAUL, Esc. 217, Chairman.

GEORGE REPRETEY HARRISON, Fag., 24, Great Tower-street, Deputy-Chairman.
SAMUEL WHITFIELD DAUKES, Esq., 14, Whitehall-place.
HARVIE FARQUHAR, Esq., 25, James-street.
The Hon. ARTHUR KINNAIRD, Fall-mall East.
(With power to add to their number.)

Mesers. Strahan, Paul, and Bates, 217, Strand; Ransom and Co., Pall-mall East.
SUGGEON.

Barnard Wight Holt, Esq., F.R.C.S., 30, Abjugdon-street, Westminater.

Mesers. Holt and Aubin, 36, Bucklersbury.

This company has been established for the purpose of applying the principle of Life

NDURATED AND IMPERVIOUS STONE COMPANY

Apply for prospectness, &c., to Mr. William Hutchison, Calverlaw-rest, Test-street, London.

RIDER'S RAILWAY BRIDGE.—TO RAILWAY COM-

DERICS KAILWAY RESPONSATION.

PANIES—This BRIDGE has now been for 18 months in DAILY USE (having double track) on the HARLEM RAILWAY, in the State of New York, United States. The Eric Railway and the Newhaven Railway Companies have likewise adopted it. Several other bridges, for ordinary purposes, are also being constructed.

The advantages of this over all other iron bridges hitherto invented, consist in the mail amount of from regarded, compared with the strength obtained, in avoiding the ase of any surplus weight of material, in the consequent economy of its construction, and also from its lightness, casy node of putting together, and facility of transport, in its seculiar adaptation for foreign use.

As regards economy, it can be creeted at a cost not exceeding that of a WOODEN BRIDGE, of equal capability. squal capacity.

OCOMOTIVE STEAM-CARRIAGE COMPANY
FOR PASSENGERS AND PARCELS ON TURNPIKE ROADS.
PRELIMINARY MEASURES having been TAKEN for CARRYING OUT the along spect, all communications are requested to be addressed to Mr. Henry English, Hon. Section of the Mining Journal, Railway and Commercial Gasele, 26, Feed-street; of Mr. F. Herbert, soliding, 8, Headhoote-street, Mccklenburgh-square.

COMBINED VAPOUR ENGINE.—This invention is applied comes into contact with the surface of the tubes so charg in contact with the surface of the tubes so charg sorbed by the liquid, which is thereby vaporized; a loric, becomes immediately condensed, and is then sing by this process perfectly distilled, may be appli-for which pure water is required. The vapour obt the liquid in the tubes, is conducted into the second the liquid in the tubes, is conducted into the second

Cards of admission, to view the working of the engine, may be obtained by ap Mr. B. Talbot, at 47, Bedford-row, between the Lours of Twelve and Three o

CWMBRAIN PATENT IRON REFINERY.—The PROPRIETORS of IRON FORGES and MILLS are respectfully INVITED to MAKE TRIAL of Mr. BLEWITT'S REFINED IRON, or METAL, PREPARED by a NEW PATENT PROCESS, whereby the IRON is completely FREED from the IMPURITIES CONTRACTED in the BLAST-FURNACE, and, by judicious mixtures, rendered applicable to every kind of manufactors. Heretofree, the metal sunally sold in the market has been produced from

the worst pigs, scraps, and refuse of some particular blast-furnece, or set of furnaces, without any mixture, or any regard to quality, or the purpose for which it might be required. The PATERY METAL is PREPARED ON SYSTEM, and TO ORDER, for any of the following purposes:—

any of the following purposes:

1. FOR BOILER and TANK-PLATES.

2. FOR TIN-PLATES, commonly called COKE-PLATES.

3. FOR TIN-PLATES, commonly called COKE-PLATES.

4. This COMPOUND FUDDLED, beat under the nammer into a bloom, reheated, and rolled into a 6 or 64-inch bar, masker TOPS and BOTTOMS for FLANCH and OTHEE RAILS, of very superior quality, and attended with less waste than any other kind of iron used for that purpose. It is also well adapted for mil-reds, boxes-shoes, and for other ordinary uses of the blacksmith.

the ordinary uses of the blacksmith.

The PATENT METAL is marked with a squirrel, and the initials "R. J. B.,"
and is to be lad only at the "Cwmbrain Iron-Works," near Newport, Monmonthshir

THE PATENT OFFICE AND DESIGNS REGISTRY, No. 210, STRAND, LONDON.

INVENTORS will receive (gratis), on application, the OFFICIAL CIRCULAR OF INVENTORS will receive (gratis), on application, the OFFICIAL CIRCULAR OF DISTORMATION, detailing the eligible course for PROTECTION of INVENTIONS and DISTORMS, with Reduced Scale of Fees.

Aleas, with Reduced Scale of Fees.

Aleas, in RECURING PATENTS and REGISTILATIONS OF DESIGNS, with due reparts to validate, cooking, and dispatch—assisted by scientific men of reparts.

Also, in RECHANICAL and ENGINERRING DRAWINGS, whether connected with Patents, Railways, or otherwise, by a staff of first-rate draftsmen.

Application personally, or by letter, to F. W. Campin and Co., No. 210, Strand (cur not of Mannachton).

TO IRON, COPPER, AND LEAD SMELTERS.—The ADVERTISER, who is well known, and has an extensive knowledge of Metallux giral Chemistry, in all its branches, is destrous of meeting with an APPOINTMENT, by which he will have the antire CHEMICAL. MANAGEMENT of the WORKS, with a view

O MERCHANTS AND OTHERS.

WHEREVER a WORKING ENGINEER, sequainted with mechanics, drawing, and the direction of workmen, is required, the Advertises who speaks the French and Spanish languages) would ENGAGE linked, at a moderate alary. The best reference given—Address (post-paid) to "A. B.," 29, London-strape,

WANTED,—AGENT TO A SMELTING-WORKS.

A YOUNG MAN, of respectable connections, who has had several years extience in the management of lead and silver works, and whose restimonials as to ability
and character are of the first class, and who can give the very best references, wishes
produce a SITUATION AS ABOVE. The advertises had under his management row
beratory and blast-furnaces, cryatallising pots, refining furnaces, rolling and pipe null
shot tower, ac., in the management of which he acquitted himself with credit. Histoperiments in the conversion of alag lead proved highly accessful. Private affairs can
had resignation of his place some times since. Any party engaging him would find him scratory and blast-furmons, crystallising pots, refining furmones, rolling and shot tower, &c, in the management of which he acquited himself with cred periments in the convertion of alag lead proved highly successful. Private affinia resignation of his place some time since. Any party engaging him would have a thorough knowledge of his business and book-keeping, and to pay strict the concern under his care.

Lotters (pre-paid, stating terms, &c.) addressed to "A. Z." (lead marminely of the Editor of the Mining Journal, No. 26, Flost-street, London, will meet wattention.—January 8, 1845.

BLAST-ENGINE FOR SALE, for less than ONE-FIFTH of its COST.—A STRONG BLAST-ENGINE, with two double action cylinders, its check diameter, it feet 6 inch beam, large air chamber, fly-wised, and driving riggers, complete, has been little used, and oxediently finished—can be seen at J. Blytine's Metal neage-street, Whitechapel, London. small STEAM-ENGINES FOR SALE, 3 and 6-horse-power.

O BE SOLD, & PUMPING-ENGINE, 30-inch cylinder, 9 ft. stroke, built by Mr. West, engineer, nearly new-only been worked about three within a few miles on a good shipping port, being near Liskeard—one good rearticulars apply to Capt. Osburn, Liskeard; or Mr. Wm. Rendle, Octagon, Pl

S TEAM-ENGINES.—From 8 to 20-horse power ENGINES ALWAYS IN STOCK.
Apply to Mr. CAPPER, Engine-Maker and Founder, BIRMINGHAM.

Price—£12 to £16; with boiler, £92 per horse.

PATENT SAFETY FUSE.—Mr. WILLIAM R. BANT would direct the attention of MINING COMPANIES and OTHERS to the FACT of his OWNING a PATENT for the MANUFACTURE of SAFETY FUSE in Spain, and that he will be about to a strend to any communications which may be addressed to have to attend to any communications which may not.—No. 74, Calle de San Miguel, Carthagen

RUNNAFORD COOMBE MINE.—An excellent opportunity In now OFFERED to any person wishing to PURCHASE SHARES in the aluable concern.—Mr. BROUGHTON has FOR SALE a FEW SHARES, very capply to Mr. Broughten, 30, Taylor's buildings, Woolwich.

MINING OFFICES, THREE KING'S COURT, LOMBARD STREET, LONDON.—Mesars R. TREDINNICK & CO. bag to draw the attention of capitalists to the DEPRESSED MARKET VALUE of SHARES in ENGLISH and FOREIGN MINES, many of which pay dividends of from 20 to 30 per cent. per annua whilst those on the two of so doing are selling at corresponding low prices.—Mesars. T. & Go. continue to DEAL in weavy describation of MENING, RALLWAY, BANKING, INSUL.

MINING OFFICES, No. 8, GEORGE-YARD, LOMBARD-STREET, LONDON, -Mr. RICHARD THOMAS (who has had 20 years) expe-STREET, LONDOM.—Mr. RICHARD THOMAS (who has had 20 years' experience as a mining agent in London) OFFERS his SERVICES in the PURCHASE and SALE of MINE and OTHER SHARES, on commission, Purchases in many valuable mines may now be made at unprecedently low prices. The fullest information given (without charge) relative to mining investments and operations.

N.B.—R. T. has now ON SALE a limited number of SHARES in an undertaking electing unusual advantages, situated in one of the best mining districts in Cornwall.

Full particulars will be furnished on application.

MR. THOS. P. THOMAS, MINING AGENT, AND DEALER IN RAILWAY, GAS, BANK, INSURANCE, AND OTHER SHARES.

J. P. THOMAS is a SELLER of SHARES in the leading MINES of Cornwall, Devok and Wales—paying from: 10 to 30 per cent.—Statistical information afforded upon personal application, or by letter.

MR. GEORGE BATE, Jun., CIVIL ENGINEER AND SURVEYOR, WOLVERHAMPTON N.B.—UNDERGROUND MINING SURVEYS accurately executed.

JAMES LANE, MINING SHARE DEALE, 80, OLD BROAD-STREET, LONDON.

MONEY.—MESSRS. KILLICK & CO. (late WINSTANLEY KULICK, & Co.), SHAREBROKERS, Information KILLICK, & Co.), SHAREBROKERS, inform their friends and the public, th IMMEDIATE ADVANCES, to any amount, on the deposit of English and Elasiway Shires, Scrip, and Debentures, upon exceedingly advantageous form loss BUY and SELL every description of STOCK and MINING SHARES, at municiation than susually charged.—6, Bank Chambers, opposite Bank of England

A STURIAN MINING COMPANY.—The board of direct hereby give Notice, that they have made a further CALL of ONE POUND share upon the shares in the capital stock of this company, and that such call is PABLE at the London and County Bank, Lombard-street, on or before the let de

AMAR SILVER-LEAD MINING COMPANY TWELFTH DIVIDEND.—Notice is hereby given that a DIVIDEND CEST, has been declared by the directors upon the paid-up capital of the PAYABLE on Wednesday, the 7th day of February next, and succeeding the two clear days in order to be examined and marked.—44, Finsbury squanumy 18, 1849.

January 18, 1849.

TINCROFT MINING COMPANY.—Notice is hereby given, that, at a General Meeting of the shareholders in this company, held the 19th day of January last, it was resolved, among other things, as follows:—
"That it is the opinion of this meeting, that, after hearing the explanations of the discretions relative to the projected tin smelting establishment, that a preference in the discribution of the shares be given to the shareholders of this company is to be constituted."

Notice is, therefore, bereby given, that all shareholders of this company CLAIMING to PARTICIPATE in the above-mentioned THREE THOUSAND SHARES, are to send in their applications, addressed to the directors of the company, at this office, on or before the 35d inst.; and that on such applications unust be stated the several numbers of the respective certificates of the Tunctor Mining shares, in respect of willing things, at the office, 44, Finshury-square, Feb. 1, 1849.

TANTEED ARPXICAN MINING ASSOCIATION—Notice

NITED MEXICAN MINING ASSOCIATION.

Is hereby given, that a DIVIDEND of SEVEN SHILLINGS and a second state will be PATABLE at the office of the association, on and after the sewer the hours of Eleven and Tires. Forms for claiming the dividend aimed at the company's office, and must be left two clear days for examination payment.

By origin of the court of directors.

By origin of the court of directors.

By first original states.

By the sewer of the court of directors.

By origin of the court of directors.

By origin of the court of directors.

5. Finsbury-chens, London, Jan. N. 1842. JOHN MATHER, Secretary, U.B. MARINE, T.E.L. GRAPH.—The GENERAL TELE GRAPH COMPANY INVITE all PARTIES INTERESTED in this important bleef to INSPECT their SUBMARINE TELEGRAPHIC ROPE—the most perfect the kind yet submitted to the public.

Offices, 9, John-street, Adelphi, London,

Transactions of Scientific Bodies.

100 P. S. C.	MERTINGS DURING THE ENSUING WEEK.
Mare Daw	Asiatio S, New Burlington-street 2 F.E.
MONDAY	Elisomotegical -17, Ost Donu street
	British Architects-16, Grosvenor-street 8 P.M.
	Chemical—Society of Arts, Adelphi 8 P.M.
	Medical-Bolt-court, Fleet-street 8 P.M.
Maria Control of the	Pathological-\$1, Regent-street, Waterloo-place 8 P.M.
-	Linnsain-Scho-square 8 P.M.
TURBUAY	Civil Engineers -25, Great George-street 8 P.M.
The state of the s	Civil Engineers -25, Great Goorge street
WEDNESDAY	
THURSDAY	Royal -Somerset-house 8 P.M.
The state of the s	Antiquaries - Somerset-house 8 P.M.
	Royal Society of Literature-St. Martin's-place 4 P.M.
FRIDAY	
PRIDAY	
	Royal Institution—Albemarie-street 8 P.M.
The second second	Philological-London Library, 12, St. James's-square 8 P.M.
SATURDAY	Royal Botanic -Inner Circle, Regent's Park 82 P.M.
D=10=0	Westminster Medical-17, Saville-row 8 P.M.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TO COMMISSION OF STREET OF STREET

Bolarity of Bismuth.

Professor Faraday delivered a lecture, yesterday evening week, at the Royal Institution, Albemarde-street, to a very crowded and datingue antience, upon the polarity of bismuth. The learned professor said, that he had undertaken to bring before his audience the nature of a certain newly discovered property of matter. Nothing in these days of wonder was more surprising than the extraordinary progress which had been made in he knowledge of the magnetic force, and of the manner in which that force appeared to dominate over matter; indeed, its influence now might almost be assumed to be as universal as that of gravitation itself. Not long ago he had the honour of exhibiting some of the properties of diamagnetism; and now he hoped to bring before his audietory clear proof that the powers which made matter crystalline had something of a starting point in the magnetic forces. He had procured, therefore, a powerful magnet to illustrate his subject; but they must not suppose that the unusual power of the magnet had anything to do with the phenomena, as precisely the same results might be obtained from any magnet. The talented fecturer then, as a preliminary, exhibited his apparatus, which was arranged with a nicety and ingenuity befuting his high reputation as a successful experimenter. The magnet, so to speak, was made magnetic by a voltaic battery, so that by centuing off the communication, it was at once and magnetic and, by restoring it in the own by the application of pieces of iron to the poles, which were placed there and moved about readily enough; but, in an instant, by restoring the connection with the voltaic battery, they became immoveable, and no force of arm could alter their position. But they were not to suppose the magnetic power existed only by contact; for some distance all around, called very properly the magnetic field, the same influence existed; and it was particularly strong between the poles, after the manner of a carpenter sawing a piece of copper, and making it spin with great test possible ea Professor Faraday delivered a lecture, yesterday evening week, at the Royal Institution, Albemarle-street, to a very crowded and distingut au-dience, upon the polarity of bismuth. The learned professor said, that he

LITERARY NOTICES.

The Store Catalogue. By H. R. FORSTER, of the Morning Post; 1 vol. 4to.

London: Bogue.

We are late in our notice of the appropriste record of the great dispersion of the ducal slendours of the last of the Plantagenests; but we regret the delay the less, inamuch as its volume has been received with an unaminity of approbation, both by the public and is representative (the press), which supersedes the necessity for all panegyric from us, and has already, we believe, led to the enlistment of the author's services in pursuits malogone to that which he has here followed to so creditable and gratifying a completion. Ve advisedly use the word author, it contradistinction to that of the more humble one of compiler; for Mr. Forster has contrived to invest his work with varied intellectual tributes, as well as with an entire originality of treatment, which render it, in every any worthy, in an artistic and mental point of view, of those portions of the contents of tows which have so long made that princely edifice familiar to all ears in the world of olitics, belies letters, and fastidious sumptuousness of modern luxury or antique adoract. Mr. Forster may be said to have created a new eras in the annotation of such indering as he has here chrouleled. With him the ordinary dry repulsive data of the extenseer's alwentory have becomes the "pubble in the baseds of the lepidary;" and he is converted a mere tabular collection of names and arithmetical figures into a beek cidents as he has here chronicled. With him the ordinary dry repulsive data of the aptionser's inventory have become the "pebble in the hands of the lapidary;" and he has converted a mere tabular collection of names and arithmetical figures into a beek that may, is any time, be taken up with an interest altogether apart from that which appertains to it, on account of the parsonal and historic associations connected with the locality of Stove, and the leading features of its treasures. With a tact scarcely ever observable among those who have before made criticisms in this form, even on fragmentary portions of celebrated social disruptions, like that of the Duke of Buckingham, Mr. Forsier has retained all the necessary business-like characteristics of the usual catalogue, while engraffing upon it the commentary of the connoiseour, and the description, archaelogic, scholastic, and otherwises—combined with what is properly called a catalogue, in the general acceptation of the term. Every single item disposed of at the flower sale is here enumerated, but it must not be supposed that to each are appended distinct remarks. Such a course would be only to overlay the book with worthless minutian and ventrionie details. Mr. Forsier has exhibited a wise discormant in the selection of his topics for amplification, and has exhibited a wise discormant in the selection of his topics for amplification, and has archibited no small self control in eschewing those that would have led a less discriminating lugides, and one possessed of less mastery over his matter, into diffuse and tackous disquisitions upon trifles. We regard the dispersion of the contents of Stowe as certain to communicate a potent lampetus to by bolic taste for works of art, of a most miscallamous description, in his country; and we look upon it has received the received in the escherized in this country; and we look upon the popularity of the book renders it amost superfluous, that the filmstrations are very numerous, and of corresponding excellence. To one o

IMPROVED WINDOW VESTILATOR.—Another design recently registered un-ing the Act, is by Mr. William Dixon, of Liverpool, for a ventilating pane, which can be readily adjusted to any requisite extent, and has the appearance when shut of a complete pane.

Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK. Widnesday ... Amicable Insurance Company—offices, at One.
Fish South-Eastern Railway—George and Valture Tavern, at One Thursday.... Fish South-Eastern Railway—George and Valture Tavern, at One Thursday... Fished Railway Fished Railway George and Valture Tavern, at One.
British Rock and Patent Salt Company—offices, at One.
Californian Steam-Trading Company—Jondon Tavern, at Three.
Provident Glorks' Mutual Life Assurance—offices, at Six.
Faiday.... Reading, Guiddord, and Reigate Railway—offices, at Twelve.
Saturday... Release Telegraph Company—affices, at One.
[The meetings of Mining Companies are inserted among the Mining Intelligence

LONDON AND COUNTY JOINT-STOCK BANKING COMPANY. The annual general meeting of this company was held at the London Tavern, Bishopsgate-street, on Thursday, the 1st inst., and was numerously attended. JOHN SADLETR, Esq., M.P., in the chair.

Mr. R. P. Nicerots (the secretary) read the report, as follows:—

Mr. H. P. Nicerots of the London and County Bank, in submitting to the shareholders the Shancial statement of the bank to the 30th of December last, have much pleasure in reporting that the establishment continues to maintain a satisfactory position throughout the circle of its operations; and, notwithstanding the adverse current of events, which has during the past year prevailed, tending to disturb the commercial operations of the country, the progress of the bank during that period hase been marked by the acquisition of an increased connection, and an improved class of accounts.

Tour directors considered it their duty, in consequence of local circumstances that came to their knowledge, to open a branch at St. Alban's in September last, which gives promise of an important accession of business in that locality.

Your directors have made it their study to reduce as much as possible the working expenditure of the establishment, and an improved system of district inspection has been adopted, upon a principle of economy and efficiency, which your directors conceive cannot prove otherwise than productive of beneficial results to the general working of the branches. The net profit for the past half-year, after deducting current, and law expenses paid, rebate of bills, allowance for bad and doubtful debts, and reduction of proliminary expenses, is 71611. 9s. 1d., from which your directors recommend that a dividend after the rate of 6 per cent, per annum (free of income tax) be declared for the half-year, ending the 30th of December, 1848—leaving a balance of 11604. 4s. 5d. to be carried to the reserved fund, which will then amount to 27,5501. Iss. 4d.

Your directors have the satisfaction to ansounce that John Sadleir, Esq., M.P., has been elected chairman; a gentleman, whose general habits of business, and intimate knowledge of the system of district banking, eminently qualify him for that position; James Andrew Durham, Eq., John Henry Lance, Esq. (

will be necessary, under the previsions of the Deed of Settlement, that those resolutions will be necessary, under the previsions of the Deed of Settlement, that those resolutions this day.

The Charakax said, the day now devoted upon him to more, that the report the secretary had just read, be received, adopted, and printed for the use of the sharsholders, and, the discharging that agreeable day, he did not think the necessity for trouble the meeting with many observations. He thought the fact, that the directors had full themselves justified and called on, during the pass eventual and most uninversable year, to recommend the payment of a dividend of 6 per cent., afforded of first matter for just remain a sum of 11604. 4-30, which the directors recommended should be added to the reserve fund, which would then amount to 27,5504. 13c. 4d. By the report, it would be seen that his berother directors had altuded to their but he was straight they were disposal to the proprietors, than to see the establishment conducted on sound banking principles—by the siries adherence to which he had no doubt of the bank reaching much greater prothick would, at the same time, be a source of great personal gradification to each mean to the proprietors and proprietors and production of the proprietors and proprietors and production of the proprietors, the about he happy to see the progress such as would be sailsafelory to each individual proprietor, which would, at the same time, be a source of great personal gradification to each mean. The proprietors and proprietors are produced to the proprietor and the conduction of the public and the property of the bank, he as would be sailsafelory to each individual proprietor, which would, at the same time, be a source of great personal gradification to each mean. The conduction of the proprietor and proprietor and proprietor of the public and the property of the bank. It was a however, plant to his mind, that it now make the property of the bank. It was a proprietor of the public and the

ment. When the deputy-chairman withdraw, it was necessary that the board should have the assistance of some gentleman theroughly conversant with the business of the branches, for which purpose they selected Mr. Rhodes, who was made impacting director. Without such valuable aid as Mr. Rhodes could offer, he candidly acknowledged that he (Mr. Brith) could not perform his duty to the proprietors. (Hear, hear, and applicate). The election had taken place seconding to the terms of the Deed of Settlement, but by-and-by it would be the proprietors fram to dismiss that gentleman if they thought proper. There was no hole and corner work in this matter, for the manal notice had been given according to the Deed of Settlement, when it was open for the proprietors to submit any good man for election.

Mr. Grozo would merely ask, if any great low were likely to arise through the late chairman —Mr. Farra said no; and it was believed that the sactifies they held from the late chairman would be found sufficient. (Hear, hear).

The report was then adopted unanimously.

Mr. Coursous spoke in favour of the directors, and the mode in which the business of the bank was managed, and concluded by moving a vote of thanks to the board of directors. Mr. Banes seconded the motion, which was passed unanimously.

Mr. Joursous moved a vote of thanks to the auditors.

Mr. Sarvas acconded it, when it was passed unanimously.

Mr. Joursous moved a vote of thanks to the seed and ability they had severally exhibited in the discisurge of their dutles.—The motion was passed unanimously.

Mr. Louan (the general manager) rose to return thanks on behalf of himself and his collaques. He presented his grateful acknowledgments for their pood opinion of the exercisor, impector, and he had been much lightened by this continued mark of the approbation and supperfor the preprietors. He almost dimensifi and his sellow-inducers, which, although admituous, had been much lightened by this continued mark of the approbation and supperfor the preprietors. He almost

felt that Mr. Gifford was impressed with good feelings towards the bank, and knew that he had readered it great earlies. (Hear, hear.) Again he would return his grateful acknowledgements for the compliment paid to himself and colleagues.

The three retiring directors, Mesers. Wheelton, Frith, and Springett, were re-elected una nimously.

An extraordinary meeting was the said for confirming two resolutions passed on the 7th Dec. last—the one for increasing the future qualification of directors to 50 shares, and the other for increasing the future qualification of directors to 50 shares, and the other for increasing the future qualification of directors to 50 shares, and the other for increasing the future qualification of directors to 50 shares, and to other increasing the future qualification of directors to 50 shares, and to other increasing the future qualification of directors to 50 shares, and to other or increasing the future qualification of directors to 50 shares, and the other of the other of the said that the future qualification of directors to 50 shares, and the other duration of the future qualification of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares, and the other duration of directors to 50 shares and the other duration of directors t

CAMERON'S STEAM COAL, AND SWANSEA AND LOUGHOR RAILWAY COMPANY.

The ordinary meeting of this company was held at the offices, in Moorgate-street, on Wednesday, Jan. 31st, for receiving a report in respect to the railway.—The chair having been taken by N. P. Cameron, Esq., Mr. Howden (the secretary) read the advertisement convening the meeting, and also the following report:—

following report:—
In compliance with the provisions of the Act of Parliament, the present ordinary general meeting of shareholders has been convened specially on the subject of the railway, for which a special Act was obtained in 1846. The only matter on this subject which the directors have to report is, that they have lately procured from the Commissioners Railways an extension of two years, from August, 1849, for the construction of the line.

Rallways an extension of two years, from August, 1849, for the construction of the line.

The Chairman asked, if any one were willing to move the adoption of the report, as it was a mere formal matter?—After some delay, Mr. W. B. Camenos moved the adoption of the report, and Mr. Barham seconded it.

Mr. C. Burls said, he would now beg to say, as he could not move the adoption of the report, nor under present circumstances do any administrative act, that the document just presented was a prudent one, and such as the meeting should entertain. (Hear, hear.)—The report was then put by the Chairman, and adopted unanimously.

The Chairman having vacated the chair, the meeting adjourned.

[Looking at the absence of ill-feeling at this meeting, we are led to hope that all differences are at an end, and that their mineral property, which has been the subject of so much contention, will bear what has yet been denied it—namely: a fair trial, or exploitation—the result of which most persons would look upon as favourable to the shareholders.]

SWANSEA DOCK COMPANY.

SWANSEA DOCK COMPANY.

The half-yearly meeting of proprietors was held at the company's offices, Swansea, on the 30th Jan,—Capt. Evan Morgan, R.A., in the chair.

After reading the advertisement, and sealing the new register of the company, the chairman called on the secretary to read the following report:—

The present meeting is convened pursuant to the Company's Act of Incorporation, but your directors have nothing specially to report upon, having, on the 23rd of October start, fully stated their views and opinions to the extraordinary general meeting then held; and having been authorized by that meeting to carry out certain arrangements with the corporation of Swansea, your directors have given this important matter the attention it deserved; the preliminary steps have been complied with, and details, as far as practice would permit, have appeared from time to time in the local papers. A bill authorising the contemplated sale of the company's interests to the corporation of Swansea has been deposited in the House of Commons, and as soon as directmistances will enable them so to do, your directors will call a special general meeting of the company, and communicate the details to the shareholders. The remainder of the call is being radually pain, and your directors continue to liquidate the debts of the company as funds are pleased at their disposal; but as difficulties may arise in the contemplated sale, by the non-payment of the call, your directors (having first taken every pains to obtain it) have folt obliged to commence legal measures for enforcing the outstanding claims.

The reports and the accounts were received and adopted; Messrs. Lewis L. Dillwynn, D. Francis, and W. Edmend, the retairing directors were re-elected; and Messrs. John W. Leach, and T. A. Marten re-appointed auditors. A vote of thanks was passed to the directors for their attent to the interests of the company, and to Cayst. Evan Morgan, R.A., chairmal of the company, for his services at the meeting.—Swansea Herald.

RAILWAY ACCIDENTS.

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He who could have supposed that the customary journeys by land, from place to place, in the United Kingdom, would increase, with the introduction of railway transii, from thousands to millions in the course of a year, without adding, in some ratio, to the number of casualties, should have taken his degrees in "fooling paradise." Yet have we some of that class among the grievance-mongers of the day. It is in vain to hope that the entire family will ever be embalmed, "where ignorance is bilas." And, after all, since "nothing is made in vain," it may be their peculiar province to be constantly premising the impossible, as a pionears for the practicable; and thus, labouring in their vain vocation of making man and his machinery perfect, direct public attention to the consideration of how best imperfections themselves may be lessened or subdued.

Leaving the "forlorn hope" of society, however, to their wavaward fate, and addressing ourselves, in direct terms, to the more sembole, we would ask why should any means of prevention be disregarded, which may be at all fiftely to cause a decrease in the number of accidents on railways or, why disregard may appliances to reduce the amount of pecuniary or other losses, or of the sufferings and afflictions that are consequent upon them? Let the workings of any line be made as consplete as possible, adopt every promising invention for personal safety, select all your men for their merit and applitude, and yet there is one further advance requisite—the ever present metrice of self interest. If all your servants can be allowed to share in the benefit of a faind, raised through the medium of increased care and watchfulness, then, and not until then, you have done all that money, science, and human motives can attain. And this it is the bounden duty of every railway manager to perform. Life, with all these precautions, will still, occasionally, be lost; personal inflictions will still have to be suffered, although less frequently. But were it only one life saved in a year, or one

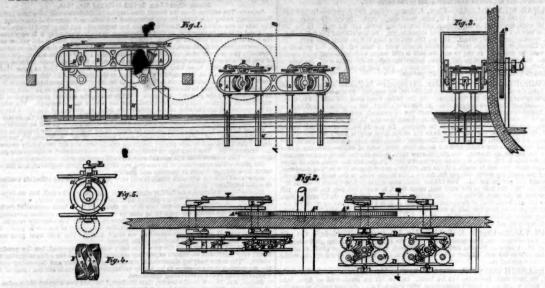
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What, then (our readers will ask), can there be to prevent the carrying out of such a plan? Nothing, we reply, it parties meet each other fairly. We cannot see why the railway managements should not facilitate the stamping of the journey tickets at their respective stations with the device of the assarance company, to make them valid as policies; unless it be that they indulge in law expenses, as if they were imperial luxuries, and wenld, therefore, encourages, rather than deprecate, "actions for damages caused by negligence." And we do see in what respect the insurance company referred to deserve encouragement. The directors proceed his men of business, capable to effect an object, and determined to carry it out. Propound their plan, apply for their Act of Parliament, and subscribe their capital, without coming to the public to take up any of the shares.

ANTI-COLLISION SIGNAL LAMP FOR SHIPPING.—Amongst the designs recently registered is one by Mr. Tusker, of Liverpool, for a signal lamp for shipping, which consists in having one colourless and two coloured lights so disposed in a lamp or lantern, which, when properly placed en shipboard, shall indicate to the spectator the exact position of the ship or vessel making use thereof, thus enabling another vessel to avoid any collision.

THE RAILWAY MECHANICS INSTITUTION AT RUGBY.—At the annual meeting of this society, in connection with the works of the London and North-Western, at Rugby, the report stated that there were 76 members, and that the numbers were increasing; that there were 260 volumes of useful works in the library, and that 100 more were to be added. Twelve lecture had been delivered during the half-year on instructive and mechanical subjects.

IMPROVED APPARATUS FOR AGRICULTURAL PURPOSES.



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This invention has reference first to dibbling, and other agricultural pures; secondly, to propelling vessels. With regard to the first part, as would be difficult to give a succinct and perspicuous account thereof without diagrams, and the subject being somewhat foreign to this Journal,

without diagrams, and the subject being somewhat foreign to this Journal, we shall pass at once to the part relating to propelling viewsle; \$\frac{\textit{siz}}{2} \text{ at ope land view thereof, as it would appear when applied to the sides of a vessel; \$\frac{\text{fig.}}{3} \text{ at answerse and vertical section, taken through the line A B, at \$\frac{\text{fig.}}{3} \text{ at answerse and vertical section, taken through the line A B, at \$\frac{\text{fig.}}{3} \text{ and 5} \text{, distacle parts, hereafter referred to. A, A, marks the main driving shaft of the engine, or other prime mover; upon this shaft a spur-wheel, A, is keyed, and taken line and parts and the shaft a spur-wheel, A, is keyed, and taken line and print of the shaft and the properties of the crain, B; one end of a pin, C, is securely fixed, and supports one end of the framing, D—the other end of the shaft, A, into the opposite end of the crank pin, C, and contain the opposite end of the crank pin, C, is connected to one end of a crank, I, the other end of shaft enance being fixed upon a short shaft working in a suitable bearing, K, fixed to the framework, as shown at \$\frac{6}{5}\text{, white T}\text{, and the shaft and there is another and similar arrangement; in the top and bottom of the framing, D, and to the lower part thereof are mounted in suitable bearing, as the top and bottom of the framing, D, and to the lower part thereof end to the crank pin, C, is connected to one end; for the top and the complex part of the cash, of the part of the vessel, there are conjected and sec

employed for turning the floats or paddles edgewise may be dispensed with. I would also recommend that the cranks upon the driving-shafts be so arranged with respect to each other, as that the sets of floats, or paddles, situate on one side of the vessel, and near the fore-part thereof, should be out of the water at the same time that the set of floats, or paddles, at the other side of the vessel, and near the stern thereof, are also out; whereby the strain upon the engine, or other prime mover, and the motion thereof, will be rendered nearly uniform; and this applies also to the other floats, or paddles, situate opposite to those lastly mentioned—that is to say, the four sets of paddles should not be in the water at the same time.

The mechanical arrangements and combinations, set forth, described, and represented, are claimed, whereby the paddles, or floats, when placed near the stern of a vessel, are caused to move at a quicker speed than those placed at the forepart of a vessel, as constituting improvements in propelling vessels, as hereinbefore particularly described, set forth, and represented.

Pa'ent-office and Designs Registry, 210, Strand, Jan. 31.

Pa'ent-office and Designs Registry, 210, Strand, Jan. 31.

Pa'ent-office and Designs Registry, 210, Strand, Jan. 31.

The Working of Railway Breaks.—George Kendle, of Killingworth Colliery (a colliery which has already produced one immortal "pit lad," and there is no reason why it should not produce another), has brought under our notice his invention of an apparatus for working rail way breaks and preventing collisions, which may be substituted for the screw and lever on either tenders or carriages. If on the tender, it would work the break of the engine as well. If on the carriage, the whole train could be placed at the command of the men on the engine (in addition to the guard), by each carriage being provided with a piece of cord the length of itself, having a hook at one end and a toop at the other. With a train thus furnished, the men on the engine could lock every wheel, in case of need, in a moment, the apparatus exerting a retarding power six times greater than the ordinary break. The cost would be but a trifle more, while the superior advantage is incalculable. The passengers, if expedient (?), might have control over the carriages behind them. An alarum, also, might be placed for a few pence on the tender, whereby, from any part of the train, an intimation of danger might be given to the engineman, with little more trouble than is required for the ringing of a bell. Moreover, should any of the couplings break, the apparatus would of itself give an alarm. Such, in substance, is the communication made to us by the inventor (who has a working model of his contrivance). It is not for us, but for practical men, to decide upon the merit of his plan; but we have thought it due, both to him and to travellers, to afford him the use of our journal for an introduction to public notice.— Gateshead Observer.

CONVEXANCE OF CATTLE AND STOCK BY BALWAYS.—Some important meeting of the contrivance of the travellers, the communication of the contrivance of the contrivance of the cont

raveliers, to amora him the use or our journal for an introduction to public notice.—Gateshead Observer.

Conveyance of Cattle and Stock by Rallways.—Some important meetings of farmers, agriculturists, graziers, and others who supply the London markets, have just been held at Peterborough, North Walsham, and other places, to take into consideration the advances that have been made by the Norfolk and Eastern Counties Railways, on the conveyance of stock, of from 9s. to 12s. per head on cattle, and from 1s. 3d. to 1s. 9d. per head on sheep, from Norwich to London. Resolutions were passed at the North Walsham meeting, where 150 persons were present, to the effect that this additional charge on the transit of beasts is an uncalled for exaction, and that in justice to themselves and the public, the farmers do resolve to resist it by resorting mainly to the old system of driving by road. Mr. Newall, the superintendent of the Norfolk line, who represented the companies on the occasion, stated that the former rates charged were so low, that the conveyance of stock became a losing business; that the companies found the advance to be absolutely necessary; and, that under all the circumstances the directors had resolved to abide by the advanced rates, and that it was a question of expediency, whether it would better answer the purposes of the farmers to continue to send their beasts by railway or return to the original system of sending them by road.

Economy per Railway.—The reduction in the price of coal consumed at Burn St. Edwands since the genging of the Eastern Union Railway, has been

ECONOMY PER RAILWAY.—The reduction in the price of coal consumed at Bury St. Edmunds, since the opening of the Eastern Union Railway, has been equal to the yearly amount of poor-rates levied in that town.

equal to us yearly amount or poor-rates levied in that town.

The dividend declared on Tuesday at the half-yearly meeting of the Londor and Greenwich Railway Company, was 3s. 9d. per share, and the accounts presented were received and adopted. In the course of the proceedings it was mentioned that a loss to the extent of 1000l. had latterly been incurred by the defalcation of a clerk.

How TO SPLIT PAPER.—Procure two rollers or cylinders of glass, or amber esin, or metallic amalgum; strongly excite them by the well-known means, o as to produce the attraction of cohesion, and then with pressure pass the aper between the rollers. One half will adhere to the under roller, and the ther to the upper roller, and the split will be perfect. Cease the excitation of remove each part.

Trames Steam-Boars.—Several experimental trips have lately been made with the new iron steam-boat, the Emmet, which is of the Janus, or double-headed, build, and intended for the halfpenny passenger trade, in company with the Ant and the Bee. The engines on board the Emmet are made by Messrs. W. Joyce and Co., of the Greenwich Iron-works, and are nominally of 20-horse power each; but their actual power, as given by the indicator card, is 88 horses. The whole of the engines, as well as the framework, is of wrought-iron. With regard to the performance on Friday, the 19th ult., the Emmet started, with tide, from Blackwall at ten minutes to one o'olock, and arrived off the Town Pier, Gravesend, at two o'clock, thus accomplishing the entire distance in one hour and ten minutes, or at the rate of 17 miles per hour. On her return, she ran a race with that crack vessel, the Branswick, and from Erith to Blackwall ran with her, the paddle-boxes not one foot asunder the whole of the distance. On Thursday last another experiment was tried, when she ran against the tide about 14 miles an hour. These performances were highly creditable to the contractors and engineers of the little craft, and called forth high encomiums from several professional men who were present.

Two new vessels, which will surpass all the others in size and splendour, are

Two new vessels, which will surpass all the others in size and splendour, are about being laid down by the British and North American Company, to replace the Acadia and Britannia, which have been sold.—Liverpool Mercury.

about being laid down by the British and North American Company, to replace the Acadia and Britannia, which have been sold.—Liverpool Mercury.

Mineral Oil.—In a coal-pit, near Affecton, belonging to Mr. Oakes, of Reddings, a valuable spring of a mineral cil, as naptha, has made its appearance. The quantity varies according to the fall of the roof of coal from 150 to 30 gallons daily. The pit in which the spring occurs is said to be the deepest in that part of the country. Some years since a large spring of salt water, or nearly saturated brine, appeared in this pit, and has continued to dow uninterruptedly; latterly, the mineral cil has accompanied the salt spring. The cil as it issues is of a dark tarry colour; but, by distillation, yields first a very volatile liquid, which is found to be a good substitute for chloroform as an agent for acting on the nerves of sensation; and, secondly, a negrly colourless cil, which possesses very high illuminating powers, and possessing the advantage that it will not burn without a wick, thus rendering it free from the objection which has been found to attach itself to the use of camphine. As a final product of the distillation, abundance of solid paraffin is obtained; this substance being described by Reichenbach as invaluable for machinery, from its antifictional properties, and its unchanging character when exposed to air. It is understood that a house in Manchester has contracted for this mineral cil, with a view of introducing it for the purpose of house illumination. A similar spring is recorded to have occurred about a century since, near Birmingham. They are common in Persis and in Italy. Milan is illuminated with the product of a similar spring. We have been informed that a chemical examination of the various elis of which the Derbyshire spring consists is being made in the laboratory of the Museum of Practical Geology.—Athenseum.

JOINT-STOCK COMPANIES' WINDING-UP ACT-WHEAL LOVELL MINING COMPANY-JUDGMENT

LOVELL MINING COMPANY—JUDGMENT.

This was an appeal metion against an order of Vieo-Chancolor Knight Bruce, argued before his Lordahip on Priday—a report of which appeared in the last Mining Jones and atood over for indigment. The petition was presented under the fifth section of an Act of Parliament called the Joist-Stock Companies Winding-Up Act; and the petitioner, Mr. Wyld, M.P., the mapseller at Charing-cross, prayed that the company might be wound-up under the provisions of the before-mentioned statute, on the ground that he was a contributor to the company, and, having been used on their behalf, they had refused to indemnify him for the verdict and costs. The company appealed from the order of the Vice-Chancellor, granting the prayer of the petition.

Mr. Rolt and Mr. Foliett appeared for the appellants; Mr. Bacon and Mr. J. H. Palmer supported the order.

The Lord CHANCELOR this morning gave judgment, and said, the first question was, whether mining companies of this description were included within the operative parts of the Act in question, the 11th and 12th Victoria. His Lordahip then read the sections of the Act referring to what companies it was intended to apply to, and said that the second clause was the only one that appeared to embrace these particular companies. That section, however, he thought, was only intended as a further description of those companies which were intended to be affected by the Act. Now, as a guide in ascertaining what companies were excluded from an antecedent Act, of which this was only an amendment, and that these, sort of mining companies were clearly so excepted. The new Act wunt on to state, which of the before-excluded companies where the exception of those companies were excluded from an antecedent heter contention as made of the mining companies were excluded. The new Act wunt on to state, which of the before-excluded companies which were expressly brought within the operation, and there no mention was made of the mining companies were excluded. The new Act wunt o

DUENANGER COPPER MINES.—These mines, for the working and exploration of which a small company has been lately formed in London, are in the previous of Finmark, in Norway; they are situated on the opposite side of the great alpine Finmark chain of mountains, about seven English miles to the south-east of the trading establishment of Baderen, on the eastern side of the Quenanger flord. The ascent to the workings is gradual and regular, being about 500 or 600 feet above the limits of the birch trees, or about 2000 feet above the level of the sea. Within a short distance of the mines is the Kjekkan river, which is well supplied with water, and capable of furnishing sufficient power to drive any machinery that may be necessary for the reduction of the ore. The country in which the lodes are situated is composed of greenstone, clay-slate, schistoze limestone, and a breccia composed of fragments of the three former rocks, cemented together with an argillaceous substance. These rocks are all of the transition series, and the variety of greenstone is that termed by geologists diorite, and here, as well as in many other places, is found very metalliferous. The lodes are eight in number, and are at a considerable distance from each other, some being more than two English miles from the first discoveries. The run of the lodes are excessively irregular—some incline to about 70° north. The mineral deposit is generally found in quartz. On the surface, in general, a rich gossan is discovered, intermixed with blue and green carbonates of copper; on further exploration, the grey sulphurets, rose copper (Buntkupfererz), yellow copper pyrites, are found dissemminated with magnetic iron, specular and oxydulated iron ore; in several instances blocks of solid prills, of 15 to 20 per cent., weighing from 4 to 5 cwt., have been broken from the mine. The mines were first discovered in the year 1836, and were worked but inefficiently by a few private individuals, but their capital not being sufficient to develope the resources of the pro

present judicious management, in the course of a few years, these works will hold a prominent and important position among the Norwegian mines.

GREAT ST. JUST CONSOLS TIN AND COPPER MINING COMPANY.—While the rage for emigration to California, to gather the golden sands of that far distant region is still scarcely undiminished, it is pleasing to find that the large deposits of mineral wealth nearer home are not disregarded, and that the new year opens with far better prospects for the future, than at the commencement of the past eventful one. Among other localities which are at the present moment drawing the attention of capitalists to their exploration, is that of St. Just, in Penwith, in the western division of Cornwall, and long estimated as one of the richest mineral districts in the country. A company is just established to work the above-named mines, consisting of three distinct setts, Wheal Maxico, Stennack, and Gever. These mines, when formerly worked, made large returns of ore, but never having been aided by machinery have been opened to comparatively shallow depths, and no doubt continue still in a state for profitable operations. We have before us the prospectus issued by the company, which states that the sett extends about one mile on the course of the lodes (of which 12 have already been discovered, and worked on the backs), and from one-half to three-quarters of a mile from north to south, and a lease for 21 years has been obtained, at the certainly unusually low dues of 1-20th, and it is proposed that the capital raised be 10,0004, in 5000 shares, of 22, each, though it is fully expected that half that amount, in consequence of the favourable condition of the several shafts, adits, pitwork, &c., will be amply sufficient to lay open the several lodes, and produce a permanently profitable undertaking. Reports from Capts. H. Francis, T. Hooper, and J. Hosking, who have severally inspected the setts, have been received, which are of a highly favourable nature; they consider that a steam-engine of fr

the mine to a depth of 240 fms, and from their long experience, and extensive knowledge of the district, they believe it to be a most encouraging and highly profitable speculation.

Necessity the Mother of Invention.—The existing commercial and manufacturing depression has, it will be seen, stopped in the bituminous districts about one-fifth, and in the anthracite districts nearly one-half of the furnaces. These disastrous effects have aroused a spirit of inquiry and economy which is daily producing new and most important results. The astonishing increase in the produce of the furnaces in the bituminous districts takes its origin from the application of steam and engine power to the production of a continuous stream or pillar of blast, in place of the puffing of the old-fashioned wind bellows; and, further, to a discovery of my highly-valued friend, Anthony Hill, Esq., of the Plymouth Works, Merthyr-Tidvil. It is to the science, energy, and research of this gentleman, that the iron trade is indebted for the practical discovery that the cinders produced in the various stages of converting, in our forges, crude or cast-iron into wrought or malicable iron, were capable of being resnelted and reconverted in the blast furnace, and the iron they contained (amounting to 50, 60, and 70 per cent.) could be profitably extracted from them. These cinders formerly were thrown away as refuse, or used only for the repair of our roads and thoroughfares—they are now eagerly sought after, and purchased at values as high as some of our richest iron ores. To Mr. Hill a debt of public gratitude, and something more, is due, which I should rejoice to see the properly acknowledged and paid. Mr. Yates, of Rotherham, Yorkshire, has, at his works, at Wingerworth, near Chesterfield, erected blast furnaces of an entirely different construction from those in use in this district, and the plan of which he has patented. They are about 20 feet in height, of a peculiar shape, and are blown with a soft fan blast. When I visited them, a few month

The Compendium of British Mining.

REVISED, CORRECTED, AND ENLARGED FOR THE "MINING JOHNNAL,"

BY J. T. WATSON, ESQ., F.O.S. EASTERN DISTRICT.

EAST TAMAR CONSOLIDATED SILVER-LEAD MINES, in the parish of Beer Ferria, Devon, are situated near the banks of the River Tamar, the setts consisting of Whitsun, Lockeridge, and Furzehill. In extent they are 858 fms. (nearly a mile) on the course of the lode, and are held under lease from the Earl of Mount Edgeeumbe for 21 years, from the 25th of December, 1844, at 1-20th dues, until the outlay of the present company (50001) has been repaid them, after which the dues to be 1-15th. Conducted on the Cost-book System, with two-monthly meetings, held regularly in London, when the failest statements respecting the mines and the accounts are laid before the shareholders. Committee of management, William Alexander Thomas, Esq. (director of Davon Great Gomsoils) O. H. Smith, Esq.; John Browne, Esq. Secretary, Gustavas Kieckhoefer, Esq.; offices, 50, Threadneedle-street, London; manager at the mine, James Wolferstan, Esq.; agent, Captain Robins, jun. The mines, comprised under the name of East Tamar, have been worked at various periods since the days of Queen Anne, and have yielded large quantities of silver-lead ores. In the latter part of 1844, a London company obtained the present lease, and commenced operations in April, 1845, by clearing up six different shafts 40 fathoms under the adit, of 30 fathoms deep, and cleared old levels, and made new—in all, nearly 3000 fathoms; this, in addition to erecting expensive machinery, was met by a subscribed capital of 15,750/2, and ores raised and sold amounting to nearly 10,0004. During the commercial crisis in 1847, the holders of the greater part of the chares became bankrupt and insolvent, and, in consequence, the mine was suspended, and the present company entered into negociations with the old, and eventually purchased the whole concern, with machinery, valued at 8000/, and ores raised and sold amounting to nearly flexible to the shares became bankrupt and insolvent, and, in consequence, the mine was above-named, for 51751. This sum was provided by a subscription of 118, 6d, per chare, on 9000 chares, and a call of 2s. 6d. per sha Beer Ferris, Dovon, are situated near the banks of the River Tamar, the nsisting of Whitsun, Lockeridge, and Furzehill. In extent the are 858 fms. (nearly a mile) on the course of the lode, and are held under

Mining Correspondence.

ENGLISH MINES.

BARRISTOWN.—Captain T. Angove (Jan. 26) reports—The lade in the 5 fm. level end is about 5½ feet wide, thirdy mixed with lead, but composed principally white from; in the adit end sat we have not yet cut the lode; the pitches in this red are without alteration. The lode in the winze sinking under the adit evel is procking 6 cwts. of lead per fathom. The stopes in the back of the 16 fm. level are procking about the same quantity.

EAM (TIN) MINE .- Mr. Walter Treleavin, the purser (Jan. 24), reports BEAM (TIS) MINE.—Mr. Waiter Treleavin, the purser (Jan. 24), reports—We have on this mine an excellent 50-inch cylinder steam-capine, with two very good boilers, complete, and about 100 fms. of pit work, equal to new. The pumps vary in size from \$ to 90 inches. There is also a 56-feet diameter water-wheel, with a drive is also a fe-feet diameter water-wheel, with a ferre same the stamping mills, which work 33 heads, and they are in good repair. There are feet stamping mills, which work 33 heads, and they are in good repair. There are eight shafts, 50 fms. of which are cleared and repaired to the 10 fm. level, two shafts to the 29 fm. level, and one to the 32 fm. level. At present, the tribute pitches are producing apswords of 6 tons of timper month, and we shall have no difficulty in increasing the quantity as the 28 fm. level is laid open, which will be done as soon as possible. The tin is of excellent quality, and sells for grain tin.

BEDFORD UNITED—Capt. Jamuse Phillips (Jan. 31) reports—At Wheel Marquis, the 103 fm. level and his pregressing favourably. In the 90 and 80 fm. level eat there is no alteration. The lode in the 70 fm. level eat is 18 in. wide, producing stones of ore; the pitches continue to yield good returns. We weighed, at Morwelham on Friday, Nov. ores, 112 toms 19-cwts. 2 qrs., and sampled Dec. ores, computed 115 tons, CWM ERFIN.—Cants. A. Francis and S. Nicholia (Jan. 26) report—Since CWM ERFIN.—Cants. A. Francis and S. Nicholia (Jan. 26) report—Since

on Friday, Nov. ores, 112 tons 19 cwts. 2 qrs., and sampled Dec. ores, computed 116 tons. CWM ERFIN.—Capts. A. Francis and S. Nicholis (Jan. 26) report—Since ron last heard from us we have put the men in the western end, to rise on an angle of 45° and there is a pretty good lode in the rise. Our 20 fm. level east has not been quite so good as it was, but at present is producing some good ore, and opening very fair ground; us stope, behind the end is looking well—all the stopes are. The 10 fathom level is leiding from 8 to 16 cwts. of one per fm. Our dressing is proceeding astisfactorily. The theel-jpt will be completed to-morrow, and we shall lose no time in the erection of the base our new wheel gets to work?

DEAN PRIOR AND BUCKFASTLEIGH.—Captain H. Cheake (Jan 31) sports—In the 40 fm. level, west of cross-cut, the lode is somewhat improved: I have sports—In the 40 fm. level, west of cross-cut, the lode is somewhat improved: I have

DEAN PRIOR AND BUCKFASTLEIGH.—Captain H. Choake (Jan 31) prorts—In the 40 fm. level, west of cross-cut, the lode is somewhat improved; I have ut the men to cut into the wall, or banging ground, to the south, where we broke some as stones of ore of superior quality, being grey oce and red oxide; this part of the lode superior shall be a superior quality, being grey oce and red oxide; this part of the lode part being composed of more spar than ever I have seen it in this level; in the end, riving cast of cross-cut, the part of the lole that we are now carrying has a more favourble appearance, being composed of a quantity of mundle, and water issuing from the deer we have been obliged to put in timber to secure the south ground and back of the swell also, the ground to the south from the cross-cut, which is spangied with yellow and variegated coloured ore; it will be necessary, when driven some 2 or 3 fms. further us, to cut into this part, or limb, of the lode, to ascertain its size and properties; no iteration in price since my last report.

DEVON AND COURTENAY CONSOLS.—Capt. N. Seccombe (Jan. 30) sports—The lode in the end driving west at the 40 fm. level, is 30 in. wide, composed finamile, spar, and spots of ore. In the end driving east, at the 50 fm. level, on the boath lode, the lode is 7 ft. wide, on the south part of which is a leading branch of ore in. wide—very good. The north part of the lode is composed of capels, mundic, &c.

in. wide—very good. The north part of the lode is composed of capels, numdic, &c.

EAST BIRCH TOR (TIX.)—Capt. T. Moyle (Jan. 31) reports—The lode
the shaft has improved during the last week; we have cut into the north wall of the
de; it is about 5 ft. wide, and in throughout; I anticipate a still further improvement
we get a little deeper; we find a branch dropping in from the north wall, which will
its with the lode at a little depth; and, as usual in such cases, will then, we expect,
also a very good bunch of tin. We are getting on with the rest of the work as fast as
possibly can.

make a very gene union we have the diagonal shaft, is at present hard; we have passed in the 132 fm. level, west of the diagonal shaft, is at present hard; we have passed through one hollow part of it, and hope soon to reach another, beyond the hard bar we now have; the ground in the crows-cut north; but this level, is favourable, but as yet we have cent seither warsch or lode. The hole in the 125 fm. level south 13 ft. 100, composed of ean and stones of lead, saving work for the stumps. The lode is the 14 fm. level south is 4 ft. wide, producing at times large stones of lead, and opening critists ground. The flasp-lack lode, in the 100 fm. level seats, it is in, wide, composing critists, spar, and stones of copper one, of good quality, ground still favourable for comporing the state of the 14 fm. level south 15 fm. le

KIRKCUDBRIGHTSHIRE.—The agent (Jan. 27) reports—The lode in a 56 end, east of Stewarf's, is about 1 foot wide, with spots of lead occasionally in it. The lode in the winze under the 30 is about 15 inches wide, with a branch of lead and selt in the eastern and. The 30 east is still in productive ground. The idea in the 30 east as much improved to-day, having discoveres a good branch of lead. I hope this may rove to be the same shoot that we had in the level below. We have put a cargo of lead in board to day. The lode make in the

on board to day.

MENDIP HILLS.—Capt. F. C. Harpur (January 29) reports—In sinking below the 30 fm. level the lode is at present in a disordered state, being aplit into branches; the principal branch is about 2 f. 6 in. wide, composed principally of flookan and spar, internated with some small spots of lead. In the sing department, the hed of staff continues much the same as lest reported on, being from 15 to 16 ft. thick, yielding some very good sign and a quantity of slime. During the past week, we worked the furnaces 26 hours, which produced 1 to 13 cents. I qu. 6 ftm. of lead.

SOUTH WHEAL TRELAWNY.—Capt. W. Leam (Jan. 27) reports—The leds in the 30 fm. level-libeth is 8 inches wide, composed of barytes and spots of lead, making a good wall, with a moderate underlie ust—ground more favourable than it has

clear from it, and appears to form itself again to the north of it.

TAMAR SILVER-LEAD.—Capt. J. Spargo Jan. 29 reports—In the 190 end, south of the shaft, the lode is 1 ft. wide, good stamp work. In the 175 end the lode is 18 in. wide, composed of capsel, spar, and ore, saving work, but not rich. In the 160 end the lode is 1 ft. wide, producing good stones of ore. In the 145 end the lode is 5 ft. wide, opening profitable ground. In the 135 end the lode is 6 in. wide, rich work. At North Tamar, in the 36 fm. level, we have driven west 5 fms. 5 ft. 6 in., the ground is very hard for driving. In the 70 end the lode is 5 till large, with occasional good stones of ore. In opening ground on the sestern part of the lode, in the same level, the lode is 2 ft. wide, and yielding werk af a good character. Our last parcel, computed 57 tons, was sold to S. Somers, Esq. at 181. 17t. 6d. per ton.

TINCROFT.—Cant. P. Flow! (Jan. 29) reports—At Palmer's shaft on East

2 ft. wide, and yielding work of a good character. Our last parcel, computed 87 tons, was sold to S. Somers, Eag., at 184. 175. 64, per ton.

TINCROFT,—Capt. P. Floyd (Jan. 29) reports—At Palmer's shaft, on East Pool lode, the 96 fm. level west is worth 52, per fm. for copper. In the 80 fm. level west the lode is 1 ft. wide, with occasional stones of copper ore. At Stainsby's shaft our progress in sinking has been impeded, owing to meeting with a hard bar of ground, and an increase of water. At North Tincroft, the lode in the 190 fm. level east is worth 12, per fm. for copper; the 160 fm. level west is worth 30, per fm. for copper. In the 90 fm. level, east of lode in the 90 fm. level west is worth 30, per fm. for copper; in the winze, sinking below this level, west of engine-shaft, the lode is worth 141. per fm. for copper. In the 90 fm. level, east of Martin's east shaft, the lode is worth 161. per fm. for topper. On flighburrow lode, in the 152 fm. level, east of Martin's east shaft, the lode is worth 161. per fm. for tin. In the 142 fm. level, east of Martin's east shaft, the lode is worth 161. per fm. for tin; the stopes in the back of this level, east of the shaft, are worth 201, per fm. for tin; the stopes in the back of this level, are worth 161. per fm. for tin; the stopes cast, in the back of this level, are worth 162 per fm. for tin. The 152 fm. level, east of Martin's east shaft, is worth 267, per fm. for tin; the lode in the west ond, same level, is worth 162 per fm. for tin. In the 106 fm. level, west of downright shaft, the lode is 2 ft. wide, same, same level, is worth 162 per fm. for tin. In the 106 fm. level, west of downright shaft, the lode is 2 ft. wide, east of Martin's east shaft, is worth 267, per fm. for tin and copper.

TIN VALE.—Captain J. Heekking (Jan. 27) reports—The lode in the adial level, west of cross-cut, has recently improved; the tributers are earning good wages at 108. in 11. I have set the end and back of the level, west of the former pricts, at los. in 11. I have set the

11.; the lode in the end is I foot wide—saving work. No alteration in the stream-works aince last reported on.

TRELEIGH CONSOLS.—Capt. W. Symons (Jan. 26) reports—At Garden's shaft, we have sunk below the 113 fin. level. In the 113 fin. level, was of ditto, lode 15 ft. wide, which has a kindly appearance, with stones of ore; the east end is suspended for the present. In the 100, west of ditto, lode 15 in. wide, with stones of ore, and looking more promising. In the 80, west of ditto, we taken the cross-cutting north to another part of the lode, which we calculate 3 or 4 fins. distant from the present 50 end. In the raise, below the 90 east, we have 6 or 8 ft. more to hele to the 100 fm. level these means to the lode, which we calculate 3 or 4 fins. distant from the present 50 end. In the 90. In the 90 east, we have 6 or 8 ft. more to hele to the 100 fm. level these means have taken this on tribute; after this is communicated they will stope the bottom of the 90. In the 60, west of ditto, lode 15 in. wide, with good stones of ore, and at present likely to improve. In the 90 cross-cut, so miy a part of the same men at the same time continue the cross-cut. We have such the winzs below the adit, east of Wheal Parent, 10 or 12 fms, east of the adit, and cross-cut is a ovey lode, the value of which shall be sent in the next report. Ground driven last month, now suspended—The 90, east of east cross-cut, is driven east nearly to the cross-cuture, or slide; in the 70, west of Garden's, those men will assist in cross-cutting; the 80 west adit, east on middle lode, is assigneded.

suspended.

WEST WHEAL JEWEL.—Capt. R. Johns (January 29) reports.—In the 70 fm. level, west of Williams's cross-course, on Wheal Jewel lode, the lode is supproductive. In the 57 fm. level, west of Williams's cross-course, on the same lode, the lode is worth 21, per fm.; in the 57 fm. level east, on the same lode, the lode is worth 22, per fm.; in the rise, in the back of the 57 fm. level, west of Williams's cross-course, on the some lode, the lode is worth 41, per fm., in the 47 fm. level, west of Williams's cross-course, the lode is 2ft. wide, worth 61, per fm. In the deep adit, west of Hodges's cross-course, on Wheal Jewel lode, the lode is supproductive. No lode taken down in any of the lovels on Telearne tin lode in the past week. The stopes in the back of the 12 fm. level, east of Pryor's winze, on; Tolearne tin lode, are working on tribute, worth 181, per fm.; the stope in the bettom of this level are working on tribute, worth 182, per fm.; the stope in the bottom of this level are working on tribute, worth 182, per fm.

the lovels on Telearme tin lode in the past week. The stopes in the back of the 13 fm. level, east of Pryor's wize, on Toloanse in lode, are working on tribute, worth 81. per fm.; the stope in the bottom of this level are working on tribute, worth 184. per fm.; the stope in the bottom of this level are working on tribute, worth 184. per fm.; the stope in the bottom of this level are working on tribute, worth 184. per fm.; the stope in the bottom of this level are working on tribute, worth 184. per fm.; the stope in the stope of the lode, according to your scale, drawn on the plan, the cross-cut will come late Mayhew's shaft 11 fms. deep. You would be wise to rise the surface on the course of the lode, and that the rise would be beneficial for air, as well as for hauling deads, &c., from the cross-cut driving to the above shaft. You have also written me to be careful to gain levels instead of lose, so that the water may fail away to the south shaft from the old mine, and that your intention is to put in a 10 inch lift, to take this water in this level, so that it may go over the wheel. You also write me to think this pias over, and ill could see any objections I was to point them out to you by return. I begt is any that I can see no plan that we can work to advantage, except the one proposed by you; the only thing you have not mentioned is the stream of water that is flowing from the side of the shaft, shoul 6 ft. from the sarkee. We must either rise this to the surface, or convey It to the elstern in the 11 fm. level by pipes, however, this will be no hudrance to us for some time. The lode in the south end, in the 26 fm. level, is about 2 ft. wide, with a leader of lead about 6 in. wide; the remaining part of the lode is white liven, carbonate of line, and spots of lead. There is an elwan that crosses the lode in this level, and that is evel, and find it contains a quantity of lead, and there is every reason to expect, by driving a short distance, we shall find a good ided. The tribute pitches are looking well,

FOREIGN MINES.

ALTEN MINES.—The foll	lowing is the estimat	ed produce for Nov.:-	
Mines.	Tons of Ore.	Per Cent. Fine Copper.	
Raipas			
Old Mine			
United Mines			
Ryper's			
Mancar's			
Michell's			
New Lodes			
Carl Johan's	6	9 0.54	
	-	-	
Makel	Fine 196	0.00	

Mining Report from the 27th November to 10th December, 1848.

-A material improvement has taken place in the appearance of the s gs since the date of my last report. A co workings since the date of my less report.

ing good prilly one, has been found in the roof stope above the 10 fm. level; the prospe
are very flattering, and the quality of the produce will be botter than has latterly be
the case. We have commenced a new level from Monk's shaft in the 10, for the purpo
of intersecting the lode at this depth, which we expect to accomplish at a distance
3 or 4 fathoms. The other workings show evident signs of improvement, and the
above the other workings show evident signs of improvement, and the of intersecting the lode at this depth, which we expect to accomplish at a distance of 3 or 4 fathons. The other workings show evident signs of improvement, and the produce of the new lode in the 20 has also increased. The 15 fm. level has been holed to the winze from the 10, and we have commenced the preparatory work for the sinking Monk's shaft under the 20. In cutting ground from the penthouse several small veins of ore-were found, and the whole of the country appeared to be impregnated with small spots or nodules of purple ore, which leave as to feel sanguine of success at a deeper level, where we hope the lode will be found more concentrated and regular. We have again resumed the transport of ore to the smelting-house, and with next post hope to be able to show some good returns in the usual delivery note, which will be then handed you.

Whiled These.—The improvement noted in my last report is now pretty general throughout all the workings, with the exception of one of the old cast stopes, where the one is shown as the same should be somewhat greater than that of last month. The tributers at Woodfall's continue to make fair returns of ore of an improved per centage—on the whole the prespects have again materially brightened. Old Mine.—The tributers' returns are still satisfactory, and the prospects continue favourable. We have commenced as this in the wester part of the mine for the purpose of opening tribute ground; the lode has developed itself shrourably already, and we expect it will soon yield profatalic returns. The sisk is now worked as tutwirt, with a tribute on the ore saved.

Ruper's.—The workings at this mine are also improved; the produce answers our expect it will soon yield profatalic returns. The sisk is now worked as tutwirt, with a tribute on the ore saved.

Ruper's.—The workings at this mine are also improved; the returns continue as also tory, and, in proportion to the number of hands employed, the produce answers our expect it will soon yield profatalic returns. The sisk is now worked a

turns from hence during the wister will not be great, but we aspect they will be found to leave a remunerating profit.

AUSTRALIAN MINING COMPANY.—The Branksonmoor arrived on Tuesday from Adelaide, with copper ore from the company's mines—viz.: Wheal Rothschild, it tens; Tungkille, 137; Montacute, 17—165 tons; and Emery, 35 tons.

day from Addaide, with copper ore from the company's mines—vir.: Wheal Rothschild, II tons; Tungidile, 137; Montacuite, 17—165 tons; and Emery, 35 tons.

BAROSA RANGE MINES.—Advices have been received from the manager of this company, whose latest report we append:—Assumin, 524. 6—In my last report of the 7th ult., I referred to a rous-cut driving east from Floyd's shaft, to take Doble's lode, at the 23 fm. level; this lode is outsand gene through, but it has no copper in it—of same character as in cross—at the 15 fm. level, viz., quatz, iron, &c.—very open and peachy; but in this place it underlies west instead of east, which makes it much more favourable with regard to Lysadoch Valloy, Eva's shaft is down to water at 20 fms. deep., a little showe which we have driven a cross—cut and 12 fm., and have cut the hanging, or eastern wall of the lode, where there is a flookan, or decomposed strata, dividing the country from the lode, about 3 hackes wide, underlying east about 4 feet in 6; this part of the lode is principally quarts and capel, and 19 feet of which is highly slauled with the blue and gene narromates of copper, but not worth eaving. We are now driving west through the other part of the lode, to cut the weater are foot wall, and expect to get through it this week. I had hoped to have unit with the line and gene narromates of copper, but not what the water here. Murdech's shaft is now down 9 fms.; is erew his were whard stone, composed of sand and quarts, with a little copper stains. Simon's shaft has been suspanded for some time; the copper was cut in each end, but only 6 ft. from 1; in the eastern part of its first the veget was cut in each end, but only 6 ft. from 1; in the eastern part of its. Some days so manea here is a ten, worth alo per cent, and again fur some days some time; the copper was cut in each end, but only 6 ft. from 1; in the eastern part of its. Some days to make the same and break a ten, worth alo per cent, and again fur some days some time is the caper was cut in each one, but only

To this from the company's mine at Lynedoch Valley, and had found, by assay, 35 ounces of gold in a ton of copper out."

GUADALCANAL SILVER MINES.—In our Journal of the 60th Sept., we gave an interesting detail of proceedings at these celebrated mines, at Saville. We now learn that the engine is in full operation, and that all premises most advantageously to the shareholders. The following is an extract from a letter, received this week at the London offices, from the superintendent at the mines, Mr. Dunchan Shaw, dated Jan. 17.—"On going over the ground, a few days since, with Capt. Michell, we traced up a camter lode running at right angles, saw through the Santa Caselta lode, and we may expect the lode to be preductive at the junction. It is with great pleasure I report the continued satisfactory progress of the unwatering of the Pose Rice, San Antonio, and Poze Marmolitos mines. In consequence of the immense extent of the old workings, and large body of water therein, we were not for a few days going down with cut former applicitly, but though slower, we were not less sure. At the San Antonio shaft, if the old plan be correct, we have the water in fork to the last level driven from the said shaft. On breaking away a portion of the lode left standing in the San Antonio shaft, if the old plan be correct, we have the water in fork to the last level driven from the said shaft. On breaking away. From the large old workings in the vicinity, there is no doubt of the lode having been very productive in this level. At the Pozo Rice engine-shaft, we have the said ralary and the stones broken away are far asperior to any obtained by Capt. Sincock and myself, when hore in Oct. 1847. This portion of the lode will bear taking away. From the large old workings in the vicinity, there is no doubt of the lode having been very productive in this level. At the Pozo Rice engine-shaft, we have the water in fork to the 36 fm level.—that is to say, to the level where is no doubt of the lode having been very productive in this leve

mine is not one fifth part so quick as we were led to magnic, and our engine sceps R, easily, at from two and a half to three strokes per minate?

[From the Phymouth Journal.]

Calstock Unived (Its).—A parcel of tin was sold from these mines last Tussday week, and 2 tons more are ready to be sent away; the whole of the folde, as broken, will yield 600 of tin to the 160—one hore-whim kibbles.

Where Calstock.—Last Saturday being the setting day at this mine, the following bargains were re-let:—The driving the 30 fm. crees-cut north, at 31, per fm.; from the great increase of water in this place, the lode is daily expected to be out. Driving was on the course of the lode in the 50, was let at 55s. per fm.; there is a great increase of water here also; driving south is the 50 fm. level, was let at 56s. per fm.; the prior has very much improved within the last week; the ower part of the lode is more will a feet wide; the quantity of one broken is from 10 to 25 tons; from the appearance of the lode in the 50 fm. level was, a bunch of ore is soon expected.

Hereneron Down.—A rich lode of this reported to have been cut.

WHAL FRANCO.—The leader part of the lode in the 62 fm. level produces seem awing work, but is small; the ead is upwards of 15 fms. behind the shute of ore is the 35 fm. level.

PUTBOUTH WHEAL FRANCO.—The slide has been cut in the 34 fm. level, and there is not more than 6 ft. more to drive before it will be out of the end, and if not cut within the distance, the office of the slide on the lode will not be seen in this level. The new south lode is still disordered by the change in the underlay; but that change is a decided one; and the lode was the under the sum of the lode was now when its regular north underlay; and some very good stores of the here to lode was the underlay; but that change is a decided one; and the lode was now then its regular north underlay; but that change is a decided one; and the lode in suit dissert which is the sum in the lode. This is an important furprovessent.

WHAL FOR ME

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UNITED MEXICAN MINING COMPANY.

The half-yearly meeting of this company was held on Wednesday, the Bist ult., at the offices, Finsbury-circus. EASTHOPE, Bart., in the chair

Sir Jon The SECRETARY (Mr. Mather) read the following

At is very satisfactory to your directors to be able to report that, since the last meeting, a continued improvement has taken place in the affairs of the company, which ha enabled them to communicate to the proprietary, in satisfaint of this meeting, the recommendation of a dividend, at the rate of 7s. 6d. per share, in order that its payment might at once be made, after the necessary continuation.

Afine of Rayas.—Considerable variations have taken place in the operations carried on for, although the steady prosecution of the most productive points, both in the old sed new workings, have me with interruptions from the rising of the water and scarcity of labourers, atful it will be seen that the total profit contrasts most advantageously with that of the preceding year, and promises to continue.

11 months of 100,024 6 0 ... \$634,966 4 6 ... \$234,961 6 6 1847 ... 301,499 6 0 ... \$15,046 6 4 ... \$234,961 6 6 1847 ... 301,499 6 0 ... \$15,046 6 4 ... \$234,961 6 6 1847 ... 301,499 6 0 ... \$15,046 6 4 ... \$234,961 6 2 1847 ... 301,499 6 0 ... \$15,046 6 4 ... \$234,961 6 2 1847 ... 301,499 6 0 ... \$15,046 6 4 ... \$234,961 6 2 1848 ... \$15,047 3 4 1848 ... \$15,047

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aft; or

carly and final settlement.

Finances in Mexico.—By the last accounts received from Guanaxuto it appears that, on the 3d Dec., the available asset on hand was 559,11364, exclusive of Treasury bonds with our agents in the city of Mexico, amounting to 569153, and also exclusive of the current expenditure of the district, including contracts of Rayas and Aldans, and purchases of ores for the haciendas of Duvan and Dolores.

Pinances in London.—The directors beg to call the attention of the proprietors to the

TOTTO MITTER STORY	and account of the analogs in Landon for the pass year .	
Da	Audited Account, from 31st Dec., 1847, to 31st Dec., 1848.	013
Brought from	audited account, to 31st Dec., 1847 £14,174 16	4
Interest	719 8	7
	and discount on stamps 47 12	0
Remittances i	rom Mexico—viz., in specie	- 1
Bills of excha	nge 7,509 19 2-36,171 16	3
A - 30 and	AND THE PROPERTY OF THE PROPER	_

Total		13	2
Ca.	-	_	_
amount charged to the management in Mexico, for 650 bottles of quick			
silver shipped, and other payments, in respect of which it is to accoun	t £ 9,307	10	11
ondon expenses for one year-viz., directors' fees, salaries and wages	,		
rent and taxes, &c. &c.	1.561	12	11
uxiliary capital	9	10	0
irat dividend		10	
scond ditto			
hird ditto	9,418	10	-
tamps for dividends	24	0	0
ash on hand£23.989 4			11
			-
uickailver, 500 bottles, for shipment to Mexico 6,000 0	-29,989	- 4	14

m this amount of 29,989I. 4s. 4d., must be deducted—
Auxiliary capital, unclaimed. £1099 10 0
Red Scrip, ditto 1532 15 0
First dividend, ditto 1139 5 0
Second dividend, ditto 1833 0 0
Third dividend 1300 0 0—5,894 10 0

Available asset

Availa

reserved fund did not, therefore, appears as to other companies.

The resolution, declaring the dividend of 7s. 6d. per share for the half-year payable on the 1st of February, inst., was carried unanimously.

A vote of thanks to the chairman concluded the business of the day.

GREAT ROUGH TOR CONSOLS.

A general meeting of shareholders was held, at the offices of the company Threadnesdie-street, on Monday the 29th inst.

Threadnesdle-street, on Monday the 29th inst.

W. A. Triomas, Esq., in the chair.

The accounts for two months having been examined, a call of 21 per-share was deemed necessary to meet present liabilities, and to provide for coming expenditure before the next call will be available. The abstract of accounts showed a balance against the adventurers of 438t. 1s. 4d.; December cost, 269t. 7s. 10t.; Jan. and Feb. (estimated), 680—18871. 9s. 2d. Calls in arrear, 476t. The following report, from Capt. J. H. Hitchens, was read:—

Jan. 27.—As you are already aware, our despast engine-shaft is Morris's, which is now shout 13 fms. below our bottom level drivages, having yot 2 fms. to sisk for the completion of the Intended next lift, at which increased depts the lock will be seen, and explored in the manal way. In the course of sinking from the level above, this shaft has been going through various branches, containing more or less of black oxide of copper, iron, and apar, altogether indicating favourably for result of intersection of the lode in next level. The lode in the present bottom level have at through, proving to be, for the most part, an exceedingly large strong capel, altogether full 4 fms. in width; the north part at first mer with, and now being driven on east and west from creas-ent, is undoubtedly the leading part of the lode, which, in places, is from 2 to 2 ft. wide, for the most part, carrying spar, with black oxides of copper and tron, but, as yet, being without any thing like such a proportion of ore as to meet any portion of the cost of working. In the western bottom level, on the same parties of copper and tron, but, as yet, being without any thing like such a proportion of ore as to meet any portion of the cost of working. In the western bottom level, on the same portion of the dole, now also about 3 fms. from cross-cut, there are the same appearances—looking at which, we have no hesitation in recommending the continuation of these divises, and these, forces about 3 fms. from cross-color with the c

time, in from shaft, there being yet, according to assumed underlie of the lode, about fine, more to drive, which will probably occupy about aix weeks more in accomplishing ners is a great deal of water coming out of the ground in this drivage, which is ale yry much shaken, such fastures admitting of favourable interpretation. In addition a runer favourable expressed opinions as regarding this concern (looking forward to mit ate results thereof). I have to state that I am atill as sangulae as at any time about its cross-course, some time since alluded to as having been met with, being now mor attinctly shown. The engine continues to work very well, as also the new pitwork.

HOLYFORD COPPER MINING COMPANY.

HOLYFORD COPPER MINING COMPANY.

The general half-yearly meeting of shareholders was held at the offices of the company, Great Winchester-street, on the 29th January.

After the usual preliminaries, the following report of the directors was read:

The directors beg to submit to the shareholders the balance-sheet, and account of expenses and produce of the usuals, made up to the usual period. [The statement of accounts was here read.] A reference to the accounts will show that the expenses have again been heavy during the past ak months, partly for the completion of the payment of the engine and surface works, roads, &c., and it has partly arisen from large increase in the ground opened; but the directors regret that there has been a considerable falling off in the quantity of ore raised. It will, however, be seen, by the following report of Capt. John Lyla, that there has been a great improvement during the past month, and the prospects are both promising and encouraging. It is also satisfactory to know that the ore continues of the same rich quality.

Holyford Misss, Jan. 24.—We have driven the adit level 23 fathoms north; the lode has been small, and the ground disordered: the last 2 fms. the ground is more favourable; the lode in the end is about 1 ft. wide, composed of killas and gossan. The 10 fm. level north has been driven 19 fms. 3 ft. 4 in.—lode varying from 6 to 14 in.; the last 3 fms. it has been driven 19 fms. 4 ft.; the lode has been from 9 in. to 1 ft. wide, solid, and worth 1001. per fms.; this level is now under the ore ground which we drove through in the adit level, as you will see in the last report. The 10 fm. level south has been driven 19 fms. 4 ft.; the lode has been from 9 in. to 1 ft. wide, solid, and now, in the end, it is 8 inches solid. The 17 fm. level, sorth of the which-last, has been driven 18 fms. 4 ft. will cold with sones of ore. The engine-shaft has been sunk under the 10 fm. level 3 fms. 1 ft. 8 in., and the pround hard. The wire has been sunk under the 17 fm. level 3 fms. 1

The report of the directors was then approved and confirmed, and Edward Hunt, Frederick Le Mesurier, and Charles Hunt elected directors, and Arthur Hunt and William Brock auditors, for the ensuing year.

TREGORDAN MINING COMPANY.

A general meeting of shareholders was held at Liskeard, on Thursday, the 25th January, when the accounts for September, October, and November, were examined, showing a balance of 295t. 18s. 2d. against the company—a call of 25s. pershare was made. The following report was read from Capt. W. Bryant:— 25s. per share was made. The following report was read from Capt. W. Bryant:

Jan. 24.—The engine-shaft is sunk to the 90 fm. level on the course of the lode, and a level driven north at the bottom 4 fms., where the lode is 2 ft. wide, composed of capel, flookan, carbonate of iron, quartz, and lead, carrying a leader in the middle, 10 in. wide, interspersed with rich sliver-lead orce, which, when dressed to produce 14 in 20 for lead, has been found to yield by assay upwards of 150 css. of silver to the ton of ore; the lode in the present end is in a disordered state by a flookan course which intersected the lode in an oblique direction, and is now going on with it. From the large gossan lode, sunk on 85 fms. north of the engine-shaft, and which contains some fine stones of silver-lead ore, we expect an improvement shortly as we proceed in this direction; price for driving 40s. per fm. The 20 fm. level is driven south 3 fms., where the lode is 2 fm. wide, composed of flookan, carbonate of iron, and quarts, interspersed with silver-lead ores; the lode in this end is more compact than to the north of shaft; price for driving 70s. per fathom. The engine keeps the water with great ease; and we are now erecting stamps, with six heads, to be a tratched to the same engine, which we expect to get to work in three weeks from this time, when we shall be enabled to make returns.

TREHANE MINING COMPANY.

A general meeting of shareholders was held at Liskeard on Thursday, the 25th Jan.—Mr. J. Philip in the chair.—The accounts for September and Oct., showing a balance of 7664. 19s. 9d. in favour of adventurers having been passed, a dividend of 2l. per share was declared.—The accounts showed—Balance, end of Aug., 594l. 2s. 4d.; lead ore sold, 1433l. 7s. 6d.—2027l. 4s. 10d.—Labour cost for Sept., 332l. 19s. 10d.; ditto for Oct., 321l. 19s. 4d.; materials for both months, 189l. 14s. 1d.; Trelawny adventurers, for use of engine and water, two months, 33d.; lord's dues, 33l. 2s. 10d.; paid dividend, Nov. 23, 820l.; leaves balance now in hand, 736l. 19s. 9d. The following report from Capt. S. Richards was read to the meeting:—

Jan. 25.—Relly's shaft is down 7 fms. 2 ft. below the 55 fm. level; the ground in the last 4 ft. has been rather hard for sinking, owing to a sparry branch, which we have now passed through, and the ground is again favourable. The lode in the 55 fm. level north is about 20 in. wide, composed of capol and can, with some stones of lead; the lode in the stopes in the back of this level is producing on an average \$i\$ on of lead per fm. In the 45 fm. level north the lode is much improved in appearance, worth at present 3 or 4 cwts. of lead per fm.; the lode in the stopes, in the back of this level, is producing about 3-cwts. of lead per fm.; the lode in the stopes, in the back of this level, is producing about 3-cwts. of lead per fm.; the lode in the back of this level south, and bottom of the 30 fm. level north, is turning out tolerably well. In the cross-cut west, in the 30 fm. level, now driving 49, fathoms, we are still in clean killias ground; present price for driving 44. 10s. per fathom. We sampled, yesterday, 73 tons of ore of over yiel quality.

LELANT CONSOLS.—A meeting of adventurers took place at Sealy's Hotel.

Athoms, we are still in clean kills ground; present price for driving 44; tos. per fathoms. We sampled, yesterday, 73 tons of ore of very rich quality.

Lelant Consols.—A meeting of adventurers took place at Sealy's Hotel, Marazion, on Wednesday last. The purser, Mr. Wm Richards, produced the accounts for the four months ending Dec., which showed a balance contra of 350l. There was no call made; and the present condition of the mine warrants the hope that, ere long, she will prove a second Wheal Margaret. The adventurers are in high spirits at the very encouraging prospects.

Penzance Consols.—At a meeting of adventurers, held at the Wellington Inn, St. Just, on Wednesday last, the purser, Capt. Carthew, presented the accounts for the five months ending Dec. last, which showed a balance against the mine of 84l. 10s. A call was made of 2s. per share. From the report read, the prospects of the mine were considered highly favourable.

West United Hills.—A meeting of adventurers was held on Tuesday, the 90th Jannary, at the Queen's Arms Tavern, Cheapside,—Thomas Canplin, Egg., in the chair,—when it was unanimously resolved, that a managing and financial committee of adventurers be appointed, with full power to carry on and conduct the mines, and every matter and thing relating thereto, and to dismiss officers and servants, and appoint others, as they might think fit; and that Messrs. Camplin, Williams, Todd, Carey, and Nicholson, be appointed such committee, with power for them, or any three of them, to act.

Wheal Mary Consols and Wheal Sisters.—At an adjourned meeting of shareholders in Wheal Mary Consols, held at Liskeard, on the 18th Jan., it was resolved that the arrangement under which Wheal Mary Consols and Wheal Sisters Mines have been carried on for the last few months, as one concern, as pearing to be for the benefit of the adventurers of both mines, it is now agreed to make it permanent, and that the number of shares in the joint concern to 2500, less the shares resigned. Wheal Sisters adventurers to hol

It is reported that a new company has been formed for smelting copper ores, and that they intend erecting works at Red Jacket, near Neath River and Tennant's Canal, and between Neath and Swansea, about three miles distant from the former, and five from the latter town.—Sucassea Herald.

from the former, and five from the latter town.— Swansea Hevald.

Brynddu Colliery is at a complete stand-still, the workmen having turned out to a man against the reduction of wages.—Biod.

CEFN CWSC IRON WORKS.—The mine works are entirely stopped, but there are strong hopes that active operations will, ore long, be resumed.—Biod.

The arbitration case, South Wales Railway Company v. Sir Thomas Anbrey. Bart, upon which a lengthened inquiry was held in Swansea lately, has been been decided by the ampire, George Davies, Esq., of Parliament-street, London. The amount claimed was 41341; the company offered 20004; and the award is 21101; consequently, the claimant will have all his own casts to pay, and half the costs of the arbitration.

A joint-stock company this been established at Edinburgh, with the object of taking farms in the west of Ireland, and cultivating them on the most improved principles, by Scotch stewards.

THE KAPUNDA COPPER MINES. SOUTH AUSTRALIA.

THE KAPUNDA COPPER MINES, SOUTH AUSTRALIA.

Sir.—Observing, from time to time, that you take great interest in the mining operations in South Australia, and that in your Journal of last week, reference was made to the death of Capt. Richards, mineral agent to the Kapunda Mines, I think it but a tribute due to the memory of a most honourable and able servant to forward you the report of the state of the Kapunda Mine, by his successor, Capt. Pascos, and also an extract of a letter received from Capt. Ragot forwarding the same.—R: City, Ec. 1.

Glies Gamend Mines, Oct. 13.—The Kapunda Copper Ore Mines are studied in a porphyritic clay, which contains a large per centage of carbonate of line—a character of country that will produce minerals in any part of the world; the surface dimensions of which are 180 acres of Inad, held free of royalty, and extend on the course of the lodes 550 fathoms. In these mines, eight metalliferous lodes have been discovered, varying in width from 10 in. to 3 ft., and are composed of copper ore, with quarts and gossan in a mail quantities; and several shafts have been anak at deaths from surface, varying from 3 to 30 fms. The two engines-shafts are sunk and secured, and the pitwork put down in the first order—one to the 20 and the other to the 30 fm. level; there is also a whign-shaft well timbered to the 30 fm. level, and is 3 fms. to west of the Stockyard Idele; the lode is 10 in. wide, composed of copper ores. The reain lode, is the bottom of the 15 fm. level, north of the main engine-shaft, for about 140 fms. In leugth, sabout 15 in. wide, composed of copper ores, with grains of mundle. The second lode, east of he main shaft, for a considerable length, is 2 ft. wide, composed of copper ores, with grains of mundle. The second lode, cast of the main shaft, is about 3 ft. wide, composed of copper ores, with grains of mundle. The second lode, cast of the main shaft, is about 3 ft. wide, composed of copper ores, producing 7 tens per fm., worth 20; per ton. The lode in the ise, in the bac

The following is an extract from Captain C. H. Bagot's letter, enclosing the foregoing report, dated Adelaide, Oct. 15:—The great lode was cut in the 30 fm. level early in Sopt, and was found large and full of ore of excellent quality; we have since been driving on the lode to open it; in doing so we got much fine ore, and the soft black mixed with grey, which we calculate will dress to 30 per cent. From the extent of ground opened in the 15 fm. level (140 fms.), and the underlie being so great as to give a back of 19 fms. to the 30, we have at least 2000 fms. of a back now nearly list open. The men, who are always sanguine, speculate on 6 tons per fathom, but half of that will satisfy me—at all events, our prospects are most favourable; if ever any doubts existed as to the productiveness and stability of the mine, they are now removed.

GOLD IN SOUTH AUSTRALIA-BAROSSA MINING COMPANY.

GOLD IN SOUTH AUSTRALIA—BAROSSA MINING COMPANY.

Six,—Under the heading of "A Little California in South Australia," an article appears in your last Journal, stating the South Australian Company had received dispatches from their colonial manager at Adelaide, from which you give an extract as follows:—"Capt. R—— tells me that he has raised about 20 tons of ore from the sett in Lynedoch Valley, and that he has discovered (on assay) 3½ ounces of gold in a ton of the ores raised." Any one reading this would naturally infer that the sett in question belonged to the South Australian Company, and I (as well as many other co-proprietors of it) am surprised that a company like the South Australian should cause such an article to be published without stating the fact, that Lynedoch Valley, though formerly their property, has for some time been leased to the Barossa Range Mining Company, and to whom the gold belongs; the agent referred to as Capt. R——, being our manager, Capt. Rodda. I would merely add, that some samples of the gold have arrived at the offices of the Barossa Company.

City, Jan. 31.

THE KESWICK COBALT MINES.

THE KESWICK COBALT MINES.

THE KESWICK COBALT MINES.

SIR,—My attention has been attracted by several notices in your Journal respecting the Keswick Cobalt Mines, representing them to rival in value the gold region of California, and to be able to pay off the national debt, &c. I beg to make a few remarks on them, to prevent parties from being misled by these exaggerated statements. In the first place, I do not believe that, at the present time, the annual consumption of the whole of Europe exceeds 150,000.6 worth of oxide of cobalt—ultramarine having nearly superseded the smalts. In the second place, pure oxide of cobalt is now regularly sold at 222 per lb., not 31, per lb. as stated, and every prospect of it still falling in price, as the supply already exceeds the demand, which is not likely to be materially increased. Thirdly, the Keswick ores are poor; and, unless worked by thoroughly competent parties, cannot compete with the richer and more easily worked ores of Hungary, Saxony, Westphalia, and South America.

A READER.

ores of Hungary, Saxony, Westphalia, and South America. A Reader.

ACCIDENTS.

The Colliery Explosion near Barnsiey.—During, the proceedings at the inquest, on Saturday last, the coroner announced that he had received a letter from Sir George Grey, the Home Secretary, in answer to a communication from the magistrate at Barnsley, in which Sir G. Grey stated that, if it was their opinion that the presence of some person on the part of the Government to watch the proceedings was necessary, the Government to may be a supposed one. The coroner remarked, that the question was brought by him before the jury at their last meeting, and they then expressed a wish that it should remain until to-day, when they would decide about it. In case they should wish such an application to be made, he had prepared a letter to forward. He understood Sir H. De is Beech and Mr. Smyth, who were sent down by the Government to inquire respecting the explosion at the Oakes Colliery, in 1847, inspected the pit, but did not make any report to the jury to aid them in the inquiry. After some conversation between the coroner and the jury, the conclusion was, that the coroner should apply to the Government to send down an inspector, when the proceedings were adjourned to Thursday next.

Mr. C. Locke, of Snapethorp, near Wakefield, colliery agent (prother to Mr. Locke, M.P. for Honiton), said, in evidence, that on 16th Jan.—"I, along with Mr. T. D. Jeffecck, of Sheffield, a colliery viewer and engineer, went into and examined the Durley Main Colliery. We went into it to ascertain the quantity of coal which had been got during the previous half-year. We examined the workings as we went along, and found them, in my judgment, perfectly safe; the ventilation very good indeed. I went down into the pit again on Thursday morning last, the moerning after the explosion, about 3 o'clock, accomp

llery. He will be directed to put himself in communication with you upon his arrival in the country."

Whiteriggs Iron Ore Pits, near Utversion.—A shocking accident occurred here on Wednesday last. While a number of men were at work at the pit, the scaffolding on which one of them stood suddenly gare way, in consequence of the fail of several tons of earth upon it, when the sufferer, Johnson Jeffreys, a Cernish miner, about 22 years of age, was precipated into the water below, a descent of nearly 40 yards. Jaffrey's at first clung to one of the ropes which had supported the scaffolding, but this, from the jerk, or some other cause, snapped asunder, and he was heard to plung into the bed of water at the bottom, supposed to be, at that part, more than 10 fms. deep. From the immense quantities of earth which have since fallen down the pit—the shaft of which was in course of being newly framed—it is probable that some few weeks must elapse ere the body of the unfortunate young man be recovered, though every effort will be made to extricted it as early as possible. Capt. Lane, who was standing at the time on an opposite scaffold, but somewhat lower down, had an exceedingly narrow except from destruction. The massofearth in its descent struck the scaffold on which he stood, and fell so heavily on one of his arms as to disable it. He clung, however, so firmly to the woodwork at the sides of the shaft, that he was able to maintain his position till ropes were lowered from the surface of the ground above to rescue him from his dangerous post. The deceased bore an excellent character, was well conducted, and had the respect of both his workmates and amplicants. — Cumberland Pacquet.

West Bromerich.—As J. Woolley, banksman at Mr. Henbury's colliery, was pushing la bowk " along the pit bank, when he arrived at the mouth of the shaft the bowk fall down the pit, and he was danged after it.

Minner Prospects For 1849.—We have before stated, that a new company

"bowk" along the pit bank, when he arrived at the mouth of the shaft the bowk fal down the pit, and he was dragged after it.

MINING PROSPECTS FOR 1849.—We have before stated, that a new company is in course of formation, with the intention of extensively carrying out mining operations in the parish of St. Just in Penwith; and we have since been told, that the workings of Wheal Neptune, in the neighbourhood of Marazion, is about to be resumed by an influential and wealthy company of adventurers. It must be admitted that mining operations throughout the county of Cornwall have greatly decreased during the last year or two; and that, consequently, the quidition of the mining population has been exceedingly precarious, compelling large numbers of families to leave the land of their nativity to seek in foreign climes what they could not obtain at home. The low state of the standard in respect to copper ores, and the fall in the price of tin, have no doubt been the chief causes of the depreciation in these important branches of the commerce of the sandard. In respect to copper ores, and the fall in the price of tin, have no doubt been the chief causes of the depreciation in these important branches of the commerce of the county, and from which all other interests have experienced, in a greater or less degree, a detariorating influence. Lately, however, the price of tin has gradually, but steadily, advanced; and we look forward with some confidence to an improved standard. The mining world appears to he have a taken fresh courage, and to look forward with brighter anticipations to the future. The mining world appears to the Cornish soil. Money is abundant in this country, notwillusaseding the great depression that has recting been experienced in the commercial world generally. But the communities could not be soon dissipated. Trade appears to be gradually assuming its wonted position of England with other nations has restored an amount of confidence, that we trust will not be soon dissipated. Trade appears to be grad

TREAVEAK.—At a meeting of adventurers, held at the sums, on Tuesday last, the following statement of accounts was allowed:—By balance from last account, 8212 2s. 3d.; ores sold in Oct. and Nov. (less dues), 28301 18c. 2d.; sundry-redit, 1774. b. 5d. — 38380. 9s. 10d.—To costs and merchants' bills for Nov. and Dec., 25672 17s. 4d.; balance in hand, 7704. 3s. 6d.

The THELLAN.—At a meeting of adventurers, held at Treaswean account-house, on Thesday last, the accounts, as follows, were passed:—By balance at end of August, 2261. 14s. 3d.; over sold in September and November (less dues), 8111. 18s. 2d. — 10384. 12s. 5d.—To costs and merchants' bills for Sept., Oct., Nov., and Dec., 8021. 2s. 11d.; balance now in hand, 2361. 9s. 6d.

nited Mines, Guernary.—Wm. Kinsman died from injuries received by falling dov of the ladders while proceeding from his work.

Intraces race one connection.

CREER GWYS MINE.—About three moeths since, a company was formed for working this mine on the Cost-book Principle, under the management of Mr. Tredennick, and operations were commenced by driving adit levels on the course of the lode, both east and west, into the high ground, where backs, 100 fms. high, will be gained. A large stream of water runs through the middle of the sett; and when the necessary machinery for dressing the lead be erected, it is estimated the produce will leave an immediate profit. The mine is divided into 1000 shares.

East Alversey.—The division of the contraction of the contract

EAST ALVENNEY.—The tin is turning out better than was expected, and the tributers are making good wages; they will sample about. a ton shortly, but there is a great deal more at surface. It is generally believed that she will make a good mine if the shaft was down, to cut the lode to a greater depth.

Holmiush is a little improved, but I do not learn that it is any new dis-bovery. Several of the tributers are doing well on both copper and lead.

Krigskyr and Bedrond.—I understand this set is looking promising, and
there some very flattering accounts from them. They are breaking large tooks
I lead in the back of the adit, and they are expecting duily to cut something
important, in driving a cross-cut from the adit, in ground strongly mineralised.

Program Mayor.—They have a good course of ore here in the lattern dis-

PHORNIX MINES.—They have a good course of ore here in the bottom, dip-ing west; it is now very much improved.

ping west; it is now very much improved.

LOCHWINNOCK COPPER MENE (in the county of Renfrew, Scotland). — Conducted upon the Cost-book Principle; divided mto 5000 shares. The following is the last report, dated 27th Jan. —In consequence of the wet weather, Frog's shaft is suspended sinking for the present, and the men are placed to stope the lode standing to the east of Gripe's shaft; and hope to be able to dress 80 to 100 tons of ore this month of a produce of 7 per cent. The shaft sinking in Mr. Orr's lands is in good ore ground, and the adit level, driving west, is also in orey ground.

The PENCRAM LEAD MINE, near Llantwist, continues to look exceedingly

west, is also in orey ground.

The PENCRAIG LEAD MINE, near Limiterst, continues to look exceedingly well. In the 15 fm. level upwards of 50 fms. have been driven on the course of the veis, through good ore, and both the east and west ends are more productive now than ever; there are about 500 fms. of ore ground standing above this level, that will let on tribute at 31. Us per ton, washing included. The men sinking the engine shaft, below the 15, are going on very well—small strings of ore appear in the shaft coming from a vein, and a 25 fm. level will be reached by the end of April next, or sconer, at which time she will be in a position to return 50 tons of lead ore per month, which, at the present price of lead ore, will leave a profit of at least 300, per month. The sett extends over about 200 acres of ground, and beld on lease for 21 years, at a royalty of 1-10th, without any dead rent. There are seven distinct veins on the sett discovered; but hitherto only the one above alluded to has been opened upon.

CALLINGTON MINES.—Capt. J. T. Phillius (Jan. 29) reports—Kelly Bray en-

but hitherto only the one above alieded to has been opened upon.

CALLINGTON MINER.—Capt. J. T. Phillips (Jan. 29) reports—Kelly Bray engine-shaft is sunk about 7 fms. below the 20 fm. level; the tode here is 2 ft. wide, mostly quarts, intermixed with mundic and spots of copper ore. In the 20 fm. level cast the lode is 15 fm. wide, producing copper cres; we have put the men from this place to sink, a winae in the bottom of the level to the west of the last cross-cours we have driven through. In the 70 fm. level cast the lode is small and unproductive; there is a little more water here than we have seen fm some months past, and hope shortly to see an improvement, In the 90 fm. level the lode is 34 feet wide, meetly peach, with numble and spots of copper ere. The north engine-shaft is sunk about 6 ft. below the 115 fm. level; in the cross-cut the ground is rather hard. In the 100 and 90 fm. level south the lode is small, producing silver-lead ores. At the south mine, in the 125 south the lode is prolucing aliver-lead ores, and the back will work at a high tribute; in the rise, in the back of this level north, we are opening ground that will work at a mederate tribute. In the 112 south the lode is producing aliver-lead ores. At the south will work at a mederate tribute. In the 112 south the lode is a small, producing aliver-lead ores are opening ground. In the 90 south the lode is rather poor. In the 70 south we are opening ground. In the 90 south the lode is producing silver-lead ores.

The Dapper M. S. Control of the second of the late ground. In the 90 south the lode is producing silver-lead ores.

THE DARLEY MAIN COLLIERY EXPLOSION.—From inquiry we find that monget those who lost their lives there were 44 men and boys unmarried, and o married men, leaving 30 widows, five of whom are pregnant, and 60 fathers a children. We are glad to hear that a subscription is being made for the ridows and orphans of the unfortunate sufferers.

less children. We are glad to hear that a subscription is being made for the widows and orphans of the unfortunate sufferers.

Minners wanted for Sydner.—In consequence of advices received from Sir F. Fitzroy, the Governor of New South Wales, that there are indications of the existence of mines in different parts of that colony, the opening of which is impeded for the want of miners, Lord Grey has authorised the Board of Emigration to offer a passage to some miners to Sydney. We hear, also, the Emigration Commissioners are at once about to resume emigration to the Cape of Good Hope.—Corneal Gazette.

The Copyrix Trade of Glamorgarshine.—The copper trade of Glamorganshire ranks as second in the metallic industry of the kingdom—that of iron alone exceeding it in importance. Although ores of copper exist within the county, and have at various periods been worked on a small scale, the trade is practically confined to the smelting of ores brought from Cornwall, Ireland, and the mines of Caba, Chill, and Australla. The ores of iron, as a general rule, exist in close connection with the coal formation, as though Nature, forese sing the essential necessity of that metal to man, had purposely placed beside it the fuel necessary to bring it to a condition of utility. In the instance of copper this rule is reversed, the ores of that metal lying so far apart from deposits of coal, as to require them to be brought from opposite quarters of the requires feel was abundant, is now virtually monopolise by this district, from the establishment of works on a scale of magnitude not readily admitting of competition; and, although a small portion of the ore imported into Liverpool is reduced at St. Helens in Lancashire, and there are also works in North Wales and the Derbyshire district, they are comparatively so unimportant, that the trade of the country in this article may be said to center in the district of Swansea, extending from Port Talbot on the east, to Llanelly on the west.

Five of the partners in the Maesteg Iron Company

of the partners in the Macsteg Iron Company received their certificate topposition, at the Bristol Court of Bankruptcy last week. Mr. Buck be remaining partner, did not come up, in consequence of his last exaion having been adjourned.

ainstion having been adjourned.

GIGANTIC SCHEME.—The Rhenish Democrat states that a gigantic project—
he construction of a canal between Kiel and the mouth of the Elba, connectng the Baltic with the North Sea—is seriously contemplated. The reason asagned is the frustration of the monopoly of the passages of the Sound and the
law Belta, at present enjoyed by the Scandinavian powers. Without some
such independent communication the creation of a German fleet would be vain

smerics, a patent has been taken for an improved mode of warming rail-assenger trains, by a combination of flues, connected by elastic and flexi-te, with openings and registers in the bottom of the carriages.

ple hore, with openings and registers in the bottom of the carriages.

BOMDARDSHENT BY ELECTRO-MAGNETIME—The Press of Vienna has the following, —"Venice is to be bombarded by balloons, as the lagunes prevent the approach of artiflery. Five balloons, each 25 ft. in diameter, are in construction at Treviso. In a favourable wind the balloons will be launched and directed as near of Venice as possible, and on their being brought is a vertical position over the town, the lew will be given by electro-magnetime. Each of the five bombs affixed to the balloons in communication by means of a long isolated copper wire, with a large galvanic battery placed on the shore. The fuse is ignited by connecting the wire. The bomb falls expendically, and explodes on reaching the ground. By this means 25 bombs a day may be thrown, supposing the wind to be favourable. An experiment made at Treviso in the 5th succeeded completely."

in the 9th succeeded completely."

NAMOR AND LINGS RAILWAY.—MONS AND MANAGE BRANCH.—Several mines of coal (which has been known to exist on the banks of the river Rubr, near Dusseldorf) have been for years partially worked by men of small capital, at comparatively little attention has been drawn to them. This is not likely occutious leng. The "Anglo-Bagian Company of the Rheshah Mines," formed in \$46 for working the rich voins of copper, zinc, and silver-less in the Grand Duchy of dasam, have added a considerable tract of the above coal district to their possessions, and rill shortly commence active operations. Thus, while the owners of the coal fields of the curre, owing to the facilities afforded by the Mons and Manage Railway, which runs brough them, are daily extending their operations, to nest the demand of the northern rowiness and France, the coal fields of the Burk 747 command the supply of central lemmany. The railway undertaking is in good hands, and cannot fall of success. We congratulate our Birmingham friends on the support they have given it.—Rail. Record. to continue 1846 for we Massau, ha will shortly

THAMES TUNNEL COMPANY

passengers who passed through the Tunnel in the week ending Jan. 27, No. of passengers, 18,604.—Amount of money, £77 10s. 4d.

CURRENT PRICE OF GOLD AND SILVER.

EXPORTATION OF THE PRECIOUS METALS.—The following are the officers of the exports of gald and silver from the port of London for the last week of bars to Belgium, 100 examens; ditto coin to Belgium, 800; ditto to Havre, 400—G to Havre, 107—Silver coin to ditto, 471; ditto to Rotterdam, 800; ditto to Belgium.

Current Prices of Stocks, Shares, & Metals.

A CONTRACTOR OF THE PERSON OF		
Marchael Conners V . Bearing St.	STOCK RXCHAN	GB, Saturday movaing Eleven s'ele-
Bank Stock, 7 per Cent., 1954		Belgian, 34 per Cent., 45
2 per Cent. Reduced Ann., 91	111	Dutch, 24 per Cent., 494
3 per Cent. Consols Ann., 91	The second second second	Brazilian, 5 per Cent., 794
31 per Cont. Ann., 914 24 1.	1. 5.500	Chilian, 6 per Cent., 93
Long Annuities, 84	100	Maxican 5 per Cent., 254
India Stock, 104 per Cent., 246	6.50	Russian, 5 per Cent., 104
3 wer Cent. Consols for Acc. 9		Spanish, 5 per Cent, 145
Exchequer Bills, 1000f. 2d. 48		Ditto 3 per Cent., 274 1
betterned new plants was not a	24 Breeze ve 777	- Office of Bas (Annihilation) \$ 11.19189

Rechequer Bills, 10002.2d. 45 de pm.

Ditto 3 per Cent. 143

MINER.—The business transacted during the week has been unusually good, specially in dividend-paying mines; and an active inquiry continues to be maintained for the shares in the leading companies. The communications received from the locality of the mines is generally very satisfictory, many of them being at present in a highly promising position.

Devon Great Consols shares have been done—the reperted improvement noticed last week having been confirmed. The lode in the 70 fm. level, in Wheal Josish, which for some fms. had proved rather poor, is now worth full 1002, per fm.

At Wheal Fanny, the lode is also holding equally good.

Wheal Emma, whese shaft is sank is maiden ground, is about 750 fms. east of Josish, promises to prove as preductive as the richest of the other mines. Stray Park is much improved in three or four levels, more particularly in the 180, which is now worth 402, per fm. Condurrow has also improved, especially in the bottom levels, and shares are in request.

Treviskey and Barrier have been done at an advance.

South Wheal Basels is represented to have considerably improved, and shares have been done, and are still in request, at advanced prices; this improvement we consider very important, innamed as a great discovery has been made in West Wheal Buller, where they have a course of one worth 802, per fm. on South Basset lode. Shares in West Buller are also in request, but no sellers. South Wheal Frances is reported to be looking remarkably well; from a recent inspection, we learn that upwards of 40,0002 worth of ore is laid open. We understand that a large number of East Crowndale shares have changed hands; but the transaction being between private parties, we are not in a position to state particulars.

South Basset lode. Shares is West Buller are also in request, but no sellers. South Wheal Frances is reported to be looking remarkably well; from a recent inspection, we learn that upwards of 40,000l. worth of ore is laid open. We understand that a large number of East Crowndale shares have changed hands; but the transaction being between private parties, we are not in a position to state particulars.

Shares in the following mines have been transacted during the week—viz.; Devon Great Consols, Treviakey and Barrier, Wheal Seton, Swind Wheal Basset, West Seton, Wheal Margaret, West Caradon, Wheal Trelawny, Condurrow, Treleigh, Drake Walls, Mary Ann, Wheal Trehane, East Tamar, Stray Park, Cemborne Consols, Tincroft, Tamar Consols, Heigoaton Downs, &c.

At the Wheal Trehane meeting, on Thursday, a dividend of 2l. per share was declared, from the belance of 736l. 19s. 9d. in favour of the company. After payment of the dividend, 220l., will be carried to the credit of the naxt account, which, added to 75 tons of rich eliver-lead ores, sampled on the 24th a credit of about 1700l. will be found in sevour of the adventurers. The agent's report is highly favourable, as regards present prospects and future returns.

The meeting of the United Mexican Association was held on Wedeneday, when a dividend of 7s. 6d. per share was made. The balance-sheet shows the position of accounts for 12 smonths, ending 3lst December, 1848. The remittances from Mexico, in specia and bills, amount to 29,989l. 4s. 4d. Three dividends have been paid during the year, amounting to 4795l, with the unclaimed capital leaves a disposable balance of 24,094l. 4s. 4d.; 6600l. had been invested in quicksilver, which was waiting for shipment, and 9000l, worth had already been sent to Mexico. The report respecting the mines is comidered highly favourable to future returns.

A meeting of Tregordan shareholders was held on the 25th Jan., when the accounts for Sopt, Oct., and Nov., were audited, and a balance of 256l. 18s. 2d. found against the mine—to disc

or vast importance to mines returning it, which were perviously in a very depressed position, arising from the want of a remunerating price.

With respect to copper, the prevailing opinion is, that its price will shortly be advanced.

Immense sales of lead, by the mines in the north of England, have been made within the past fortnight, purchased chiefly by the trade, from which circumstance we may fairly anticipate an advance by- and-bye. It is a remarkable fact, that since the attention of the mining adventurers has been drawn to the development of British lead mines (which are commonly rich for ailwer), more than sufficient has been obtained for the purposes of the general manufacture of plate and plated articles, and that, for a few years past, the practice of melting foreign dollars, to meet the demand of the manufacturing silversmith, has been rendered unnecessary; thereby proving that if gold be abundant in California, sider is not caree in our British mines, and that it only requires capital and enterprise to be engaged in more fully developing our mineral wealth; and we hope the time is not far distant when England will be exporting, in bars, silver raised at home.

At the annual general meeting of the Tincroft Mining Company, held on the 19th Jan, the directors submitted to the adventurers a proposal for the establishment of a tin smelting company; such proposition suggesting that the 5000 shares should be divided, pro rata, among the proprietors of Tincroft, by Drake Walls, and Lewis Mines, which would enable the company to smelt the produce of their own mines upon more advantageous terms—the division of shares being 3000 for Tincroft, and 1000 each for Drake Walls and Lewis. We need scarcely to add, that the proposal, we understand, leaves it entirely optional with the shareholders to decline, or accept, the shares in the new company. The estimated quantity of tin that can be raised monthly from the respective mines, it Tincroft 40 tons, Drake Walls 25 tons, and Lewis 20 tons—thus giving 55 tons to c

in United Mexican, Barossa Range, Australian, and St. John del Rey. Bolanos has also been done, and several inquiries for Copiapo.

The Alten Mining Company have received their usual monthly report. The produce for the month of Nov. is estimated at 136 tons of copper ore; the mining report is to the 26th of Dec, and is considered, upon the whole, more favourable than that for the month of October.

Letters, dated 4th January, have been received from the agent of the Deep River Mine, North Carolina, advising that a bunch of copper ore has been found in the bottom of the mine. We are glad to hear this, as the advices received have not confirmed the extraordinary statements of the interested parties on the faith of whose representations this property was purchased.

In last week's Journal, we noticed the discovery of gold in South Australia; and as many parties have supposed, from the article in question, that it belonged to the South Australian Company, we may state, that the Mine of Lynedoch Valley, in which it has been discovered, belongs to the Barossa Range Mining Company; and fine specimens of the gold are at the office of the company, in Bedford-row In another part of our Journal will be found a report, from Capt. Rodds, dated 5th Sept., and extract of another letter from Mr. Angas, dated a month later, and received by the overland mail, announcing the discovery of gold.

Farther letters have been received from Adelaide, South Australia, to the 17th October, representing that Burra Burra was fooking remarkably well, and that they had cut the malachie lode in the 30 fm. level equally productive.

HULL, TRUNDAY.—The market was active and well sustained up to Saturday, when

HULL, THURSDAY.—The marks; was active and well sustained up to Saturday, when it closed flat, from the fear of something disastrons occurring in Paris. It has, however, since recovered, although not to the polat of strength it had praviously reached. A continuous rise cannot be expected; these checks or stoppages sunts be looked for; in fact, from the carnion they engender, and the mischler they prevent, they are perhaps an excessory as "siscking speed" on a railway. The share public have had enough of going too fact.

LONDON, FE	BRUARY 2, 1849.
Brolling Brook Section Bar, bolt, & square, London Section Bar, bolt, & square, London Section Secti	South American, is Pig. Sheel Sheel Red lead. White ditto Patent shot Poass Spanish, in bond American ditto. Exer Block Bar Straits Peruvian (6 mo. 2 TM IC Coke.
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Tile	QUICKSILVER, 0

MANAGEMENT OF THE PARTY OF THE
South American, in bond £73475
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ates. A further advanced, and m

BOMBAY, Jaw. 2.—Copper: Sheathing, braziers, raised bottoms, and American, been in good demand since the date of our fast, and our quotations show some adminished prices then ruling.—Ixos: A further advance is quoted for Swedish ber; nor exist, and this kind is much wanted. British bar is also in very good demand, as experienced very considerable improvement in price during the past farmight from is in much request, and has risen greatly in price, stocks being very smill; rod, both square and round, is in steady inquiry.—Lxab, both in pig and sheet advanced in value since the date of our last, and is in good request; while stocks are small.—Spelter is dull, and has declined still further.

THE IRON TRADE OF SCOTLAND.

1845 — 700x 160 000 — 2 11 8 145,000
1847 — 540,000 — 3 5 0 90,000
1847 — 540,000 — 3 5 0 90,000
1848 — 500,000 — 7 4 5 100,000

On account of the facilities which Scotch pig-tron offers as an article of speculation, and the interest with which, for this object, it is regarded, the following remarks on its present prospects and those of 1844-5 may not be without some interest. For two years previous to 1844, money had been very abundant and cheap. There had been a succession of far-vourable harvests, manufactures were in a flourishing condition, and the trade of the country had, during that period, been steadly improving. In the sessions of Parliament, 1844-6, bits for a large extent of milescore in a flourishing condition, and the trade of the country had, during that period, been steadly improving. In the sessions of Parliament, 1844-6, bits for a large extent of milescore in a flourishing condition, and the trade of the country had, during that period, been steadly improving. In the sessions of Parliament, 1844-6, bits for a large of which were seen find everyone the second of the second

wreck on the sand which angulphed so many votaries in the speculation in Scotch pig-iron in 1849-46.

GLASGOW, TRUTSDAY.— From the improvement let the aspect of affairs on the centiment, our pig-tren market has assumed a better appearance. The demand has been better this week, and, in consequence, the price has further advanced. We quote the price at 49s. and 50s.—cash.

We extract the following from the North British Mail of Wednesday:—"There was little from offering in our market to-day, though purchases could have been made on rather easier terms than yesterday. Some unensiness manifested itself amongst helders, and we learn askes for open delivery were made at 49s. are ton—say three months." A correspondent engaged in the trade thus writes to us:—"At the beginning of 1848 we commenced with a stock of about 90,000 tons; but, owing to extensive shipments set the comtinent, and heavy demand for home consumption, cliefly for railway construction, and the blowing out of about 10 farmaces in the Arrathre district for a number of months, the stock at the end of August had been reduced to 60,000 tons. At this period the effects of the revolutions on the continent, shad the essention of the demand for railways began to be felt, and, in consequence, the stock had assumminated from that time till the end of the year, at the rate of 10,000 tons, or an increase of 20,000 tons on what it was at the 1st of January. That the stock was so well kept down last year was owing to moderate prices and the large quantity exported to America; and unless some unlooked for political derangement takes placed there, and speculators successed in their present attempts to ran up prices, of which there is very little probability, we may expect the ablements to the States this year to equal those of last. The demand, however, for railway purposes (the largest outlet we have had for the least three years) hering almost entirely caused, and only a fitter fraction of the usual quantity being wanted for inherinent to the continuit, with the pr

PARTPRICES OF MINING SHARES.	
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SOUTH AUSTRALIAN SHARE MARKET.—SET. 13. Company. No. of Shares Amount. Paid-upp. Present Price. Adelaide 2000 £5 0 25 0 22 5 0 22 5 0 Editidese 2000 £5 0 25 0 25 0 20 5 0 0 Editidese 2010 20 5 0 20 5 0 20 5 0	T
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	FLUCTUATIONS IN T	HE STOCK AND SHARE MARKE
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4 40	Midland Stock North Staffordshire 20 South-Eastern £33 2 4	. 15 11 124 102 19
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61	and that in shares the improvement London and North-Western having I veral others in like proportion. In n	tablished in Consols has been upwards of 3 per cer has been far more considerable—Great Western a both, advanced 13 <i>l</i> , per share, Midland 12 <i>l</i> , and nany of them the highest prices touched during a Wednesday).—Times. [* Ex. div.]
8		The state of the s
50	rate pressure of the poor rate is companies in this country, the o	ENISC COMPANIES.—At every turn, the desp felt most severely; but, in regard to minu peration of the law is palpably and most us ince are valued for the poor rate like land or a bona fike value, and the owner of the royality he responsibility; but in this poor country, whe e cancuragement, the valuation of mining proper the supposed value, without regard to rent, charge profit. The frish valuation is, in fact, made is consequence is, that, where companies have no rat, but, on the contrary, are losing heavily in the ford employment, they are compelled to pay a
16 90 5	other property, according to their charged with his fair propertion of t such enterprises require all legitimate	be responsibility; but in this poor country, whe
50 20 20	is made upon a random calculation of or the amount likely to be realised guess work, or haphazard; and the	the supposed value, without regard to rent, charge as profit. The Irish valuation is, in fact, made it consequence is, that, where companies have no
5 5	turn whatever for their invested capit bad times, whilst endeavouring to at enormous sum for poor rate, because	al, but, on the contrary, are losing heavily in the ford employment, they are compelled to pay a the valuators have set down their plant, machiner
5	and effects at a high figure in the rati policy of this system; but the Irish Pool a reinedy. I have mentioned these fact	hal, but, on the contrary, are losing heavily in the ford employment, they are compelled to pay a the valuations have set down their plant, machiner, mg books. No one denies he injustice and the in r Law Act disables the commissioners from affording because their publication, at this moment, will it waystem that has heretofore been little noticed, but of the mining companies are now in correspondence.
8	which calls for prompt remedy. Some- with the Lord-Lieutenant, who is most	v system that has heretofore been little noticed, but of the mining companies are now in correspondence t anxious to remedy the injustice, and also with the
6 1	respect, will be recommended by the I frish mining companies simply require as the mining companies in Cornwall	of the mining companies are now in correspondence if anxions to reasedy the injustice, and also with the reason to believe that a change in the law, in thirtial Government. It is worthy of romark, that the to be placed exactly in the same circumstance is and the only wonder is, that there should, up to minimum the law in both countries, and for extending the law in both countries and for extending the law in both countries and the law in th
	his moment, exist a necessity for assing to struggling Irish companies the angland.	milating the law in both countries, and for extend system of rating for mining companie's long extend
	Star December, 1848. The rem	A De OR BOSL of strange to matrice .
	Sold at Listeard, Mines. Tons. Vheal Trelawny 94	on the 27th January, 1849. Amount. Purchasers, £16 16 6 Tamar Smelting Co.
7	remaile : 15 14 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	20 12 6 Walker, Parker, & Co.
148	28. 1082 to someling a Sold on the l	ACK TIN 9th of January, 1849.
L	Mine. Tons c	net. gr. tbs. Price per ton. Amount, 17 0 17
	ditto	the 30th January. 7 1 8 56 0 0 580 10 0 mey£850 4s. 4d.
Ch	Mine. Tons. sariestown	Price. Purchasers, £46 0 0 Calenick Co. & Enthoven 44 5 0 J. H. Enthoven & Co.
Po	and the second s	32 10 0 ditto
goi	ditto	48 3 6 Bissoe Company.
es S	COPP	ER ORBE. Some of Special Andrew's Hotel, Redruth, Pob. 1, 1815.
Eas	kines. Tons . Price	Mines. Tons. Price. South Wh. Basset. 73£4 11 0
20.7	The second secon	ditto 59 4 8 6 ditto 42 9 15 0 ditto 37 9 13 0
Dod	ditto 49 3 17 6	ditto 36 4 13 6 ditto 1 19 0 0
Lon	mance 64 6 0 6 gclose 40 4 5 0 th Pool 109 3 18 6 ditte 102 8 2 6	ditto 66 3 16 6 Condurrow 67 3 12 6
i indire	ditto 90 4 0 6	ditto 43 7 16 6
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riom rioso Abena	ditto 63 3 16 6 ditto 57 4 18 6 ditto 49 1 10 6	Dolcoath 66 5 2 6
b, bis Call	ditto 46 3 19 6 ditto 45 3 13 6	Trethellen
Wh.	ditto 41 3 11 6 Prancis 10 2 11 6 Seton 87 4 13 0 ditto 80 4 11 0	ditto 35 4 n a
al eo al esta	ditto 80 4 11 0 ditto 79 4 3 6 ditto 63 4 13 0 ditto 59 4 1 6	South Wh. Frances 39 7 1 0 ditto 38 11 18 6
	ditto 55 3 17 6	Wh. Prudence 28 2 7 6 ditto 27 2 6 0
ornois VI is office in	ditto 47 \$ 15 0 ditto 42 2 1 6 ditto	Wh. Vyvyan 36 5 5 6 Andrew & Nangiles 26 3 8 6
or Tip	ditto 37 4 17 6 ditto 30 1 7 6	Wh. Kitty 5 6 0 0
East W Dudna Longel	A. Crofty 646 £ 3056 13 6	East Pool 185 £648 17 6
worth Sumbo Wh. Fo	rne Venn. ? 435 1635 17 6	Wh. Mary 120 505 17 6
incrof	7 307 861 1 6	Wh. Prudence 72 193 17 6 Wh. Vyvyan 86 189 18 0 Andrew & Nanglies 25 85 12 6 Richardes gree 18 29 5
ondur	Consols 236 1105 0 6 Tow 1., 221 889 8 0	Wh. Harriet 13 56 2 0 Wh. Kitty 3 30 0 0
Quan	age Standard	Average Produce
LAST	SALE.—Average Standard & Standard of corresponding sale las	93 10 0.—Average Produce 71 it month, 917. 3s.—Produce, 71
M	COMPANIES BY WHOM THE	ORES WERE PURCHASED. Tons. Amount.
F)	reeman and Co.	1016 4/50 12 6 579 1739 16 9
W	ms, Willyams, and Co	231 1299 0 3. per

Total tons...... 3983 £17,116 42 0

opper ores for sale on Thursday next, at Andrew's Hetel, Redruth.—Mines and Par—Carn Brea 781—Tywarnhayle 611—Par Consols 319—Wheal Agar 139—West at Seton 112—Wheal Tremayne 93—Wellington Mines 90.—Total, 2145 tons.

O SALE on Thursday week, February 15.

At SWANSEA, for sale, Feb. 15.—Cobre 77, ditto 56, ditto 56, ditto 57, ditto 55, ditto 56, ditto 66, ditto 67, ditto 68, ditto 68, ditto 68, ditto 58, ditto 58, ditto 58, ditto 58, ditto 51, ditto 49.—Glasgow Siag 83.—Vice Siag 20, ditto 15.—Total, 1211 tone,

STREET, STREET		HE YE					10.10.5.11	a district	MCC-TON'S
1841	184	2 11	343.	1844,		845.	1846	1847	1845
Quinkaliver Bettles 1472	. 991	WHEN I	40	1379	0.10	916	010	002	291
	The state of the s		an	Tino.	****	with a		es 08	40 41

DUISBURG IRON-WORKS.—Company's Offices, No. 26, Moorgate stree, City.—Extensive MINES OF IRON ORE are the absolute preparty of this company; it they are streate in the middle of the risk of the ROM. BASIN of the RUHR, sheet to the railways to Berlin, Cologue, Elberfold, and other principal forms of Germany. An almost inexheusible and cheep supply to blest-furnaces, which are to be constructed next spring, in the vicinity of Duisburg, near the Rihme, will be obtained from these mines, with a view of meeting a portion of the large domaid for "pig-iron" for the German markots.

The company being managed as a Societé es Commandité, in Prussia, and under the Cost-back Principle "in England, the responsibility of the shareholders is thereby legally limited to their snares.

Further information may be obtained, and specimens inspected, at the above offices.

CHARCOAL ON SALE—ONE POUND PER TON, in large quantities.

PORTER'S PATENT CORRUGATED IRON BEAMS, about 30 per cent. Barber, and 5 per cent. Barber, and 50 per cent. Barber, and 50 per cent. Cabage, their any others of wrought-from.—The PIRE-PROOF FLOORS, although not fnorb could shau those of caust-from, with brick arches and concrete, give greaters seemly from, with less than one-tenth of the weight.—MANUFACTORY—IRON BUILDING & ROOFING WORKS, SOUTHWARK, OFFICE—2, ADELAIDE-PLACE, LONDON-BRIDGE, CLTY.

A NDREW SMITH'S PATENT WIRE ROPE—NOTICE
AND CAUTION.—The UNDERSIGNED begs to inform the Public, and especially the MINING, RAILWAY, and SHIPPING INTEREST, that he has beeome SOLE
LIOENSEE of Mr. ANDREW SMITH, for the MANUFACTURE and SALE of his PATENT WIRE EOPE; and that he has siken to the premises, late Mr. Smith's, at Millwall, Poplar, where orders will be executed with the utmost attention and dispatch, and
on reasonable terms.

Patent Wive Rope Works, Milwall, Poplar, Nov., 1848.

CAUTION.—Tensons PURCHASING, or USING, the PATENT WIRE ROPES, NOT
MINUFACTURED by the above LiGENSEE, are warned that they will be liable to be
smed for damages as infringers of Mr. Smith's Patent.

MANUFACTURED by the above LICENSEE, are warned that they man such for damages as infringers of Mr. Smith's Patent.

THE PATENT SAFETY FUSE, FOR BURNARINE FOR BLASTING ROCKS IN MINES, QUARRIES, AND FOR SUBMARINE OFERATIONS.—This article affords the SAFEST, CHEAPEST, and most EXPEDITIOUS MODE of effecting this very hazardous operation. From many festimonies to its usefulness with which the manufacturers have been favoured from every part of the king dom, they select the following letter, recently received from John Taylor, Eq., F.R.S. &c. —"I am very glad to hear that my recommendations have been of any service to you; they have been given from a thorough conviction of the great nactures of the Safety Fees; and I am quite willing that you should employ my name as evidence of this."

Manufactured and sold by the Fatentoes, BICKFORD, SMITH, and DAVEY, Camborne, Cornwall.

PATENT IMPROVEMENTS IN CHRONOMETERS, WATCHES AND CLOCKS.—E. J. BENT, 82, Strand, and 33, Cockspur-street, watch and clock maker, BY APPOINTENT, to the Queen and his Royal Highness Prince Albert, begs to acquaint the public, that the manufacture of his chronometers, watches, and clocks, is seemed by tirree segments patents, respectively granted in 18 c, 1840, 1842. Silver lever watches, sewelled in four holes, 6 gs. ceach in 1860 cases, from 28 to 210 extra. Gold horizontal watches, with gold dists, from 8 gs. to 12 gs. each 28 to 210 extra. DENTS PATENT DIFLIEDOSCOPE, ar Meridian Instrument, is now ready for delivery.—Pamphiets containing a description and directions for its use 1s. each, but to customers gratis.

NOTICES TO CORRESPONDENTS.

We must impress upon our correspondents, the necessity of invitably furnishing us with their names and addresses; hof that their communications should, consequently, be noticed, but as an excess to us of their good faith.

"A Correspondent" (Hall)—We cannot ascertain whether a carest has been entered on behalf of the Admirality for improvements in steam-beders:—the record of such documents not being open to public inspection. We should imagine that, if any carest be entered, it is oftensibly on behalf of some faith of some faith with the Admirality.

"Chemicus" (Newcasile).—Mr. Carpula, the angula caret to the control of the connected with the Admirality.

with the Admirafy.

"Chemions" (Newcastle).—Mr. Campin, the patent agent, informs us that patents in Russia are granted, if for an invention patented and used for the first time in Hussia, for 10 years; if aiready patented or used in other countries, for its years only. The total expresses is absorbed or used in other countries, for its years only. The decoration of the first time in Hussia, for 10 years; if aiready patented or used in other countries, for its years only. The total expresses is absorbed by the state of the foreigners.

W. Radley, Ch. E.—We should be happy to publish the communications from this gentleman, if he would conform comewhat to the rules of courtesy common among those who are desirous of mixing in civilised society; but the letters we have received ladely have been of such a violent and incoherent nature, that were we to insert them, we should not only deprive ourselves of the communications of some of our most valued correspondents, but insult our readers in general.

This Copyria Trade.—We hope to receive a continuation of the series of papers by our able correspondent, "Plain Facts," for publication in our next Journal.

We have received a brief letter from the Chevalier Gustav, Count Radlinski, but which he could hardly have intended for publication. We shall, however, as we have said before, be glad to receive his paper on the "Primitive Locus, Coudition, and Origin of Alluvial Deposits of Native Gold."

"T. W. B." (Leith).—Abt of 82 tons of Glasrow alog will be sold at Suscence of the latent of the series of the country of the series of the country of the series of the country of the series of the series of the series of the country of the series of the series of the country of the series of the

of Alliavial Deposits of Native Gold."

'T. W. B." (Leith).—A lot of \$2 tons of Glasgow slag will be sold at Swanses on the 18th inst.—the particulars of which will be given in our Journal on the Saturday following.

W. E." (Lostwithiel).—The office of the Recth Consolidated Mining Company is in Albion-street, Leads, where the information can be obtained.

A Railway Engineer" (Buxton).—We have already published such particulars as we deemed of sufficient interest. We do not purpose resuming the subject, at least at present.

present.

"An Agent" (Buckfastleigh) should address the directors—the subject would be sure to meet with attention, and any irregularities remedied.

California—" R. B." (Exeter).—A notice respecting the gold mania appeared in our Journal of the 21st October last; it was then stated that two newspapers, published in the territory, had been discontinued—towns evacuated—and the usual occupations of the people materially interfered with—in fact, every thing forsaken to search for the precious metal.

precious metal.

The Nawcastas Docca.—" A Subscriber" (Congleton) writes—" Seeing in your Journal that the letting of the Newcastle upon—Type Docks was to be not York on the 32d Jan. would some one of your correspondents be kind enough to inform me who the You tractors are; and, if possible, the amount of contract?"

"T. A. E."—We have a letter for our correspondent, whose communication appeared in the Journal of the 20th January. We have mislaid his address.

B. "(Hoxton)—Black lead (property, planning) centains carbon, 9; iron, i=10.

"Inventor" (Almrick).—The cost of patents is slightly varied by different agents, but is about 110% for England, 73f. for Sectiond, and 135f. for Ireland; any one of these can be taken alone, and the specification of each, is a distinct affair, involving some additional charges. The Circular of Information of Mr. Campin, of the Patent Office, 210, Strand, will supply all requisite particulars.

Gmelin's Hand-book of Chemistry, and Whitaker's Materials for a New Siyle of Ornamenton, shall be noticed in maxt Journal.

Received.—D. Munhet (Agricultural Chemistry)—" Infelix Particess" (History of the

totion, shall be noticed in next Journal.

Received.—D. Musher (Agricultural Chemistry)—" Infeits Particeps" (History of the Reswick Mines)—J. Mitchell (Metallurgical Treatment of Gres)—Prof. Davy (Sulphurte Acid)—" T. S. "(Metallic Industry of Austria)—W. Browne ("Cornial Engine Repristr"—" A Reader" (Cornwall Raflways)—" T. W. B." (Wolverlampton)—" A Subscriber " (Windsor)—" A. W." (Philadelphia).

* The numerous disappointments in procuring back Numbers during the past year induces us to suggest, that subscribers should be careful in filing, or otherwise properties, their papers; and where extra copies are required, that they should be applied for as early as possible.

To THE EDITOR.

TO THE EDITOR.

Mining Journal Office,

26, FLEET-STREET, LONDON.

And Post-office orders made payable to Win. Salmon Mansell, as acting for the proprie

THE MINING JOURNAL Railway and Commercial Sagette.

LONDON, FEBRUARY 3, 1849.

e Mining Jouanal is published at about Eleven o'clock on Saturday morning, at the office, 26, Fleet-street, and can be obtained, before Twelve, of all news agents, at the toyal Exchange, and other parts of London.

In our Journal of Jan. 20, we gave an analysis of the sales of cop-

In our Journal of Jan. 20, we gave an analysis of the sales of copper ores at the Swansea ticketings, for the quarter ending 31st Dec., 1848, distinguishing the foreign from the Irish and Welsh ores, with corresponding statements of the sales for the three years ending respectively 30th June, 1848, 1847, and 1846, and for the quarter ending at Michaelmas last.

We now perform our promise of extending that analysis, as regards foreign ores, by giving the particulars of the produce of each country, and a recapitulation of the whole, the correctness of which is proved by the general results being brought to the exact figures shown in our statement of last week.

Our analysis occupies four distinct tables. The first exhibits the results of the sales of ores imported from the island of Cuba, classed under the different heads of Cobre, Cuba, and Santiago. The second gives the accounts from the state of Chili, under the heads of Chili and Copiapo. The third applies to the imports from the colony of Australia, under the several titles of Burra Burra, Kapunda, Princess Royal, and Australia. And the fourth and last, is a recapitulation or summary of the first three statements, showing the total amounts, in exact correspondence with those given in our Journal of the 20th Jan. to which is added a comparative seatement of the results of the Cornish ticketings for the same quarter,

taken from the details furnished under that head, in our Number of the 6th January.

Results of the sales by public ticketings, at Swansea, of copper the moduce of Cube in the quarter ending Dec. 31, 1848 :

Class of ore and date of sale.	Quantity of ore.	Average Produce.	Comp quanti fine co	ity of	pi		age of	Ame 54	unt des.		to p	rod	uce
COBRE ORES. October	963	Per Cent. 15 883 16:497 15:865 15:764 19:905 17:381	Tons 152 167 156 69 102 145	eset. 19 6 18 13 18 3	9 10 10 10 12 10	2. 13 3 0 1 14 19	11111	£ 9319 10295 9936 4443 6584 9148	4	d. 6 0 0 0 6			5
Totalsh avgs.]	4759	16-702	794	17	10	9	0	49726	7	0	63	11	3
CUBA ORES. October 5 " 19 November 16 December 28	523 452 460 311	14-623 15-457 14-674 12-942	76 63 67 40	9 14 10 5	8 9 9	17 16 9 9	7 0 0 5	4644 4429 4346 2684	15 1 11 11 8	6 0 0 6	A 37		
Totals& avgs. }	1746	14-192	247	18	9	3	11	16054	11	0	64	15	3
SANFIAGO. October19	353	13-131	45	1	8	7	2	2951	1	0	65	10	1
Totals& avgs. of all sorts from Cuba for quarter	6858	15-862	1087	16	10	0	5	68733	1 3	0	63	3	8

A similar account, with respect to the ores of Chili:-

Class of ore and date of sale.	Quantity of ore.	Average Compute quantity fine cop		ty of	y of price of				unt Jes		Value of ore to produce 1 ton of copper			
CHILI ORES. October 519 November 216 December 7	107	Per Cent. 54:871 52:140 39:296 36:551 37:331	Tons 58 109 133 137 129	cut. 14 10 5 9	£ 35 31 25 24 24	4 6 4 0 7	8 11 9	£ 3747 6579 8558 9038 8463	12 12 14	d. 0 0 0 0 6		8.	2	
Totals & avgs. }	1379	41.229	568	11	26	7	9	36387	12	6	6	0	0	
COPIAPO. November16 December 7	255 231 279	27·749 27·429 27·303	70 63 76	15 7 8	19 19 17	3 3 5	4 9 4	4887 4432 4817	6 9 0	6 6				
Totals& avgs. }	765	27-484	210	5	18	9	7	14136	16	6	67	4	9	
Totals& avgs. of all sorts, from Chili	2144	36-325	778	16	23	11	4	50524	9	0	64	17		

A similar account, with respect to the ores of Australia:-

Class of ore and date of sale.	Quantity of ore.	Average Produce.	Computed quantity of fine copper		Average price of ore.			Amount of sales.			Value of ore to produce I ton of copper.		
		Per Cent.			£		d.	£	3.		£	4.	d.
October19		27.659	50	12	19	11	11	3586	2	6	-		
November 2	57	29.875	17	1	21	- 2	6	1204	.3	6	0.00	-	
,,16	143	30.300	43	6	21	-3	9	3030	5	6	1.300	-	-
December 7	363	30:677	111	1		18		7931	6	6	SINE	-	970
,,28	374	28.797	107	14	19	4	5	7188	19	0	0.00		
Totslak avgs. } for the quar. }	1119	29-464	329	14	20	10	0	22940	16	0	69	11	8
KAPUNDA. November 2 December 7	125 62	22·640 24·875	28 15	6		12		1950 1035	0 8	0	-		
Totals& avgs. }	187	23:360	43	14	15	19	4	2985	8	0	68	6	4
PRINCESS R. November 16 December 7	60 62	31·625 27·113	19 16	0 16	21 18	10	0	1290 1157	0 8	0	-		-
Totale& avgs. }	122	29-344	35	16	20	1	8	2447	8	0	68	7	8
AUSTRALIA. October 5	33	25.000	- 8	5	16	13	0	549	9	0	66	12	0
of all sorts, for the ouarter	1461	28:710	417	9	19	15	11	28923	1	0	69	5	

Recapitulation of the three foregoing results, and a comparative statement of the sales, by public ticketings, in Cornwall, for the

Countries from which the ores were imported.	o tu	Average Produce.	Computed quantity of fine copper					Amor	of	Value of ore to produce 1 ton of copper.			
BARBAR ST	21cuts.	Per Cent.	Tons	eset.	£	4.	d.	£	å.	d.	£	4.	d.
CUBA	6838	15-862	1087	16	10	- 0	5	68,732	3	0	63	3	8
CHILI	2144	36-325	778	16	23	11	4	50,524	9	0	64	17	6
AUSTRALIA	1461	28-710	417	9	19	15	11	28,993	1	0	69	5	8
Tot. amounts & averages of foreign ores for quarter	10463	21-830	2284	1	14	3	3	148,179	13	0	64	17	6
Cornish tick- etings for the quarter—see Mining Jour. Jan. 6, 1849	36972	8-564	3080	8	4	18	4	176,833	0	6	57	8	3
Excess of English ones above foreign	23509		. 796	7			1	29,658	7	6		I	
Excess of foreign above English	She a	13-266	art m		9	4	11		- 30	E 6	7	9	3

* The quantities, and other details in this line, it will be observed, apply exclusively to the ores sold in Cornwall. In our last week's Mumber we gave a statement of th Hrish and Welsh ores sold at Swanese in the quarrer, amounting to 32% tons of ore, computed to yield 305 tons 12 cwts. of copper, which sold for 19,6984 2s. 6d. These amount must be added to those applicable to the Cornish including in orige the origen angestical.

These statements throw a light on some points not undeserving of notice. Looking at the imports from the Island of Cuba, the produce remains nearly the same as for the last five or six years; but the price of the ores is about 20 per cent. below the average value of that term. The average produce of the Chilian ores has increased nearly 20 per cent., as compared with the imports of the few pas years; notwithstanding which, the price is a mere trifle over the average of that period; and the increase of produce may, under those circumstances, be regarded as equivalent, or nearly so, to a diminution in price to a corresponding extent. With regard to Australian ores, our means of comparison do not extend so far back as in the other cases; the quantity of ores from that country, which paid duty, having been 13 tons in 1843, 167 tons in 1844, and 969 tons in 1846; whilst the last quarter alone shows 1461 tons, or at the rate of nearly 6000 tons a year, which is by no means the limit of probable, and even early, supplies from thence. In produce, the Australian ores have increased above 35 per cent., as compared with earlier importations; whilst the price for ores of so much higher produce is only about 10 per cent. over former rates; leaving them, average of that period; and the increase of produce may, under

also, like the Cuba and Chili ores, minus in value to a similar ex-

Another point, more describing of remark than susceptible of clear and satisfactory explanation, is the discrepancy observable in the right hand column of the several statements, which shows the value. right hand column of the several statements, which shows the value of the ore computed to produce a ton of copper. This value is established by dividing the money amount of the ore sold by the number of tons of copper which it is estimated to yield, thus giving the real value of the ore necessary to yield a ton of copper. This appears to us, as we have said before, the actual standard of value. How comes it, then, that the value varies so much? By the last statement above, it will be seen, that the general average value of all the ores estimated to afford a ton of copper for the entire quarter, was 644.178.6d. which also happens to correspond exactly with

all the ores estimated to afford a ton of copper for the entire quarter, was 641. 17s. 6d., which also happens to correspond exactly with the calculation for Chili. But the ores of Cuba yielded only 63l. 3s. 8d., or 1l. 13s, 10d. below; whilst those of Australia gave 69l, 5s. 8d., or 4l. 8s. 2d. above the general average; the ores of the different mines of the same country showing, also, variations of 2l. to 3l. in price. The concluding lines of the last table, or recapitulation, also prove, what we shortly adverted to, in our article upon this subject last week; that the average sale value of Conwell and Davon overs to produce a ton of conner, for the last quarter. wall and Devon ores, to produce a ton of copper, for the last quarter, yielded less than the general average of the foreign, by 7l. 9a. 3d. per ton of metal; and, as compared with the Australian ores separately, by 111. 17s. 5d. per ton.

These apparent inconsistencies we must leave to others to reco cile; but we think we have rendered a service to all interested sistencies we must leave to others to recon ough with much labour, from the great extent of calculation necessary to establish the various points correctly—in affording them, through the three articles, applicable to the question, which we now conclude, the means of investigating the subject in all its bearings.

Having, in our last Journal, given a complete summary of all the information relative to the discoveries of gold, and other metals, in California, up to the time of publication, it will now be interesting to endeavour to trace the probable effect which any extraordinary influx of gold to this country may have on our industry and com-When the prospect of large and continually increasing supplies of gold from the Ural Mountains and Siberia were first made known to the public, a perfect panic took possession of many persons who, from education, commercial and financial experience, ought to have been the last to have entertained the slightest fear on the subject, much less the idea, that any unusual import of gold would disarrange the respective values between gold and ailver as would disarrange the respective values between gold and silver as standards of commercial value, and reverse all our financial regulations. Such idle fears we have experienced were premature and groundless; the produce of gold from the Russian territories has gone on increasing, during the last 10 years, from 6000 lbs. weight to nearly 50,000 lbs. per annum—the quantity in the past year representing nearly 2,000,000d. sterling from Russia alone; and, as things are managed in that state, it is very difficult to get at statistical facts, it is highly probable the true quantity is nearer three millions than two. Yet, notwithstanding this vast increase, it has not appeared, at any time, to have had effect on the value of bullion, the price having continued averaging a few pence more or less than 3l. 17s. 9d. per oz., and the fluctuations certainly more affected by the state of the funds than anything that we have yet seen connected with the quantity which any one country has produced. We fully expect the same results from the discoveries in California; let them be as prolific as the most extravagant accounts published have described them to be, and that the rapidly increasing population in all parts of the world, the extension of commerce which the colonisation of California alone will create, and numerous other tion in all parts of the world, the extension of commerce which the colonisation of California alone will create, and numerous other causes, all tending onwards to the same effect, will open sufficient channels for the free current of all the precious metals which that country can supply, allowing that Russia fully maintains her average annual produce. Many of our readers will, probably, be much surprised, when we inform them that there has been coined in the Government Mint in London, in the last 32 years, very nearly 100,000,0004. Sterling, in sovereigus and half-sovereigns, on an average more than 3,000,0004. a year; and what by the friction in the continuous circulation, and the operations of the coin despoilers, called "sweating," a large amount is necessary to fill the gap thus caused, besides providing for the wants of the public in increased circulation. Governor Mason, in one of his despatches, has stated that he calculates the produce of California at nearly 5,000,000d. sterling per amnum. Now, without stopping to inquire from whence he obtains data to warrant him in such an estimate, we will take it at that amount, which, when put in circulation throughout Europe and America, will not add 1s. per head per annum to the circuand America, will not add 1s. per head per annum to the circulating medium—a sum which truly caunot be looked upon with such dismay as some of our contemporaries appear to entertain for it.

Looking at the question in this fair and unembarrassed light, and when to the purposes for the employment of gold mentioned above, we add the increasing demand for articles of jewellery, watch cases, chains, plate, &c., there cannot be a doubt but that there are plenty of channels for the safe and healthy outflow of all that California and Russia can produce.

It would probably be neither generous nor just to lay our small rod on the back of the Cornwall Gazette, considering that it is but rod on the back of the Cornwall Gazette, considering that it is but a short week since it received the heavy cudgelling of the West Briton. The accusation, and the defence of Mr. Whilmans, are both before us, and we deeply regret that, as to the first of these, the Gazette should have discovered so clean a mare's nest. The overture and heralding of the charges contemplated the production of at least "three black crows;" but all that, by the most diligent angling, in nothing like the purest of streams could be landed, is something not quite so black as a crow. We are not ourselves disappointed, but we could name a score or two of Conservatives who are. pointed, but we could name a score or two of Conservatives who are that so great a cry should have been followed by so little wool. Mr. Willyams, it appears now, is not at all a Chartist—not for the five points, in any sense, nor so much as for the fifth part of any one of them, if violence is to be the means, or vice the result of procuring them. He does not object to—nay, he probably thinks an enlarge-ment of the elective franchise, and the shortening of the duration of Parliaments, would be highly beneficial; but we take it to be the consequence of his own principles, that he would willingly extend the Septennial Act, and restrict the elective right, if we could by consequence of his own principles, that he would willingly extend the Septennial Act, and restrict the elective right, if we could by that means more seemely and more promptly arrive at good Government. It is that result he looks for and aspires after, by whatever means it may be honourably won. If any of the ultra-Radical, the red wards of the City, had sent in a Chartist Member or two to the Common Council, how foully aspersed, how criminally libelled would the Lond Mayon and entire corporation think themselves, by the imputation that they had formed parts of, and presided over, a Chartist meeting; yet this is just the aspersion and the libel attered against Mr. Williams. For our own parts, we think the political opinions of the new Member good enough for any constituency not transcendental in its Conservatism, and so also think the majority of the electors of Truro. Unfortunately, from this opinion the Cormwall Gazette is a dissenter; but when it is considered that, for a positive certainty, the representative duties of the berough will be honestly discharged—that its local interests will be vigilantly promoted, and that not for Truro only, but for the entire kingdom, such a course of government will be encouraged as fits and adjusts the burthens of the State to the backs of those who are best able to bear them. When these objects shall, one after another, be in course of realisation, then the most incredulous

and the most opposing will be thankful that a miner, and a m business, has been chosen to sit for Truro, rather than that abs tion called the ornament of the western circuit.

We regret exceedingly that the Aberdeen Herald has so disgraced itself, and the press in general, by the effusion of abuse which appeared on the 27th ult. Our contemporary should be a little more cautious in using such words as "dishonest," &c., and a little more cautious in using such words as "dishonest," &c., and a little more cautious in using such words as "dishonest," &c., and a little more cautious in using such words as "dishonest," &c., and a little more cautious in using such words as "dishonest," &c., and a little more cautious in using such words as "dishonest," &c., and a little more cautious in using such words as "dishonest," &c., and a little more cautious in using such words as "dishonest," &c., and a little more cautious in using such words as "dishonest," and we reconvinced that "there is no use chopping blocks with a razor;" and we purposely avoided mentioning any names in connection with the matter. Indeed, with regard to the directors of the "North British Australasian Company," we distinctly stated in our Journal of the 28th of October last, that they "may be very respectable, but they are evidently not qualified for their position in this company." We attacked not persons, but their system of management. In the railway affair, we scarcely knew how to characterise the conduct of those concerned in the "celebrated claim," but treated it as a most extraordinary transaction throughout. We by no means eavy the Herald's superiority in its peculiar style of abasing those whom it cannot find fair and gentlemanly language to answer; but, from our incapacity to pay him with his own coin, we must adopt plain language. We are not at all surprised at the fury of our contemporary at the "just, charitable, and gentlemanly sentiments of Mr. Seloca," but he is wordily deceived if he imagines that that gentleman stands alone in his opinions, or in the course he has taken: he is the able exponent of the views of the whole of the English, and a large portion of the Scotch, shareholders. Our contemporary per fore, repeat it here:

our article, which appeared on the 6th of January ult, and we shall, therefore, repeat it here:—

The "trick" attempted to be played on the proprietors by the offer of the first instalment of the new stock, was plainly for the object of gaining the voies for the minority at the then ensuing meeting, and thus forcing themselves into the board of the company against the all but unanimous wisles of the holders of old stock—the proper parties, surely, to judge of their qualifications. This was clearly their intention, from the extraordhary and sudden manner in which the money was offered, and from the open identification of the apparent agents of the southern companies with that party. For what other purpose could they be so anxious to have their shares delivered before the agreement had been repeatedly made to them for the draft, and it had not yet been delivered? Surely, too, if the southern companies suited their own time in arranging these matters, and in paying the money, the other party had as much right to consult their own convenience, but particularly if the interests of the shareholders were concerned. If the agreement for the majority of the Aberdeen directory were perfectly willing to overlook any irregularity in the matter by the former, and to carry it on faithfully; and, therefore, if it be broken off, it is a voluntary act on the part of these gentlemen, who can have no rational excuse whatever for not desting the success of the railway now as much as before. But as to the claim of the "clique" for compensation for loss, on a bold and reckless speculation in the company's shares into which they had entered, and from which if a profit had been made they were to have put it, into their pockets it—it is the most harefaced impudence we ever heard off. Indeed, it spapears that one of the party had actually retired with a profit, while the less fortunate number of these worthies bring the matter before the directors, and that they ever made one, but that they shaply brought his matter who for the director

We repeat, that we abstained from these comments on the pro at the meeting, until we had read the full report in the Aberdeen Hera and we hope we shall be excused for thus acknowledging that we to our information from its columns.

The answer given to our statement of the rise in the shares, consequ

The answer given to our statement of the rise in the shares, consequent on the taking up of the preference stock, is very amusing, although it does savour something of the ridiculous. We are referred by our contemporary to what it said "immediately after Mr. Spicer achieved his inglorious triumph" (we shall show presently that it has been a glorious piece of luck for certain parties). It reminds us of its attempt at ingenuity in covering the defeat of its friends—thus:

Messrs. Pire and Davidson have placed themselves in this awkward difference; either they anticipated a breach of the agreement with the Edinburgh and Northern Company, and made some provision for getting money elsewhere to complete the railway, or they did not. If they did, they have been playing also to the southern companies, and all their professions of desire to carry out the agreement have been autterly hollow; V dey did not, they have acted a most unprincipled part, placing the interests of the shareholders and of the public in the utmost jeoparty—merely to gratify a feeling of hosility to a number of their co-directors.

Salvas are sometimes yeary convenient, but here our contemporary has

bolders and of the public in the utmost jeopardy—merely to gratify a feeling of hostility to a number of their co-directors.

Salvos are sometimes very convenient, but here our contemporary has outwitted itself. The first alternative is satisfactorily answered by reminding it of the fact, that the new directors immediately wrote to the southern companies, requesting them to furnish the documents necessary to the completion of the mutual egreement previously anctioned, which the latter declined to do, and declared the contract on their part at an end—evidently proving that they were actuated by "a feeling of hostility" somewhat unaccountable, for no reasonable or disinterested person can discover how the proposed arrangement could have been affected by the change in the Aberdeen board. If, however, the southern companies had fulfilled their pledge, the new directors could not—and we are persuaded would not—have hesitated for a moment in using every exertion to make the best of a had bargain, and to carry into effect the plan for completing the line previously agreed to: as it is, the breaking off the agreement can only be regarded as a lucky event to the shareholders, arising out of fortuitons circumstances. On this point we cannot do better than refer the Herald to the proceedings of the late London meeting.

With regard to the second alternative, our contemporary has been still

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With regard to the second alternative, our contemporary has been still more at fault in his prognostications. Have Messrs Piric and Davinson proved that they "acted a most reckless and suprincipled part," by more at fault in his prognostications. Have Messrs, Prece and Davidson proved that they "acted a most reckless and unsprincipled part," by "placing the interests of the shareholders and of the public in the utmost jeopardy?" We think fifets prove the contrary. Immediately it was known that they had succeeded in their object at the late meeting in Aberdeen, the shares fetched a higher price in the market; this rise took place, too, before it could be conjectured what course they would adopt to raise the necessary funds. We ask, also, did the shares lall on the breaking off the agreement with the Southern Companies, the only resource the exdiractory had? No. They have since risen considerably, and have been as high as 3934, or a rise of 56 per cent, upon the price they stood at (15t) about the time of the meeting alluded to. Is there any thing here to show that "the interests of the shareholders and of the public" were placed "in the atmost jeopardy?" But our contemporary, like "a drowning man catching at a straw," attributes all this to a participation "in the general improvement which is taking place in the railway market!" Whatl—Property which, he thinks, is placed "in the greatest jeopardy," infected equally with established and dividend-paying concerns! This would be contrary to common sense; and what we have stated evidently shows that the public do not "participate" in the ideas of our northern contemporary as to the results of the new management—and, indeed, he himself camout see the inconsistency of his remarks. We may here add, that it is now well known that the preference stock has been applied for to an amount are heyoud what is required. Again, we are told that the stock rose, under the muspices of the ex-directors, from 1934 to 23d, at the time of the "incomplete and most unsatifactory arrangement with the London and North-Western;" and this is boasted of, and put in comparison with, the present case! There is first a difference of 5l. between the rise which has lately taken place, and that which occured on the occasion referred to by our contemporary, and that difference in favour of the former; but, in the next place, its friends have not the credit of the rise it boasts of after all; but it was owing to the "arrangement with the London and North Western," whereas the "new board of directors" have personally so gained the confidence of the public, as not only to increase the value of the old shares, but to receive applications for a much greater amount of new stock than they have to dispose of! But, notwithstanding all this ill feeling, and all this apparent dissatisfaction on the part of our contemporary; its friends have good reason to thank their stars that Mr. Spicen's exertions have given them an opportunity of disposing of their 2654 speculation shares, on more advantageous terms than thay could otherwise have anticipated.

It is currently reported, that a certain ex-director of the company came to town a short time ago, and, on Saturday last, sold 100 shares at 22l, and endeavoured to get the same price for 20 more, but failed in doing so; and ultimately took 21½ for this lot. If the whole of the speculation shares are brought into the market, it will naturally keep the price down; and, were it not for the operations of the needy shareholders, we are confident that the shares would stand at a much higher figure. We have undeavoured to reply calmly and moderately to our contemporary, and have been careful to avoid following it into that abusive and personal style of language, so objectionable among private individuals, but infinitely more censurable in a public journalist. We have devoted space enough to the subject this week; but, in our next Number, we shall recur to the other topic upon which it has attempted a justification of its friends.

We last week adverted to the melancholy accident attendant on the colliery explosion near Barnsley, and find that Government have communicated, through Sir George Grey, the Home Secretary, their readiness to send some person on the part of the Government to watch the proceedings, if such should be deemed desirable or necessary. We should hardly have thought that the Government would have deemed it necessary to have consulted the local authorities, when we consider it to be a duty imposed on them, on the part of the public, to see that life is protected; and that, in the absence of those laws and regulations which we have eyer contended should be imposed as regards our mining and colliery operations, as protective of the life of the collier and miner, and a provision made for the widows and orphans. From a statement made by the corener, it would appear that the question had been previously entertained by the jury; but that a difference of opinion existed as to the advantage likely to arise from the delay and Government interference, it being quite clear that on a former occasion, when the explosion at the Oaks Colliery took place in 1847, Sir Henry De Le Beche and Mr. Smyrh, who were sent down by the Government to inferience of the end, however, it was agreed that the application of Government should be assented to, and the inquest was accordingly adjourned. We reserve any observations until a verdict shall have been given, and that we have an opportunity of recording the valuable services rendered by the Government inspector, who, be it said, should rather be a practical coal viewer than a geologist, however highly distinguished.

given, and that we have an opportunity of recording the valuable services rendered by the Government inspector, who, be it said, should rather be a practical coal viewer than a geologist, however highly distinguished.

We promised to return to the subject of the rival inventions, relating to the state that a geologist, however highly distinguished.

We promised to return to the subject of the rival inventions, relating to the state of the public in such a point of view, that those who, from the peculiarity of their pursuits, are obliged to follow the opinions of the press, might draw unbiassed and satisfactory conclusions from the facts, divested of rechnicality and abstruseness, which render them incomprehensible to all but the transcendentalist of science. The task we have so imposed on ourselves is no light one; the topics for consideration extend over a vast region of learned lore; and, in reality, we tread on sacred ground, over which the watchful genius of chemistry presides. It will not be, therefore, matter of wonder that we should exhibit a roluctance to enter into a premature discussion, based upon generalities, or to award our confidence to the first who seeks our suffrage. To condemn, as absurd and impossible, the propositions announced to us by the inventors, would be the height of folly and imbecility; but it is only reasonable that we should pause for satisfactory evidence, before we are led away by schemes to supersede systems long and expensively established. What evidence, then, it may be asked, will satisfy? We answer—and trust our demands will be sanctioned by a universal concurrence in our caution—we require a series of experiments, conducted by chemists, and other scientific men, whose characters place them above suspicions of being improperly influenced; we require that those experiments shall be fairly open for the investigation of all parties, as well for manufacturers as for consumers of artificial light; and we require that every one interested and qualified may be enabled to test the

we now advance another step, and find that, on the 26th January, an appeal is made swallow poison and slumber on destruction, in tender consideration for the shares of some thousands of speculators? Forbid it, reason! We shall, for our part, wage a war at contrance against the soi-disant rested rights of gas, in case we find a better flam, whose light will yield a purer ray, and whose expense is within fair limits of economy.

Having and so much to those most deeply interested, to assist at the linguiry, let us plainly put the issue, which appears to us to be—whether the light is capable of a limited or universal application; if limited, to what purposes? and if it is available for every want of public and private in lumination, which is now supplied by other artificial means, we must ascertain under what conditions, and with what advantages to the consumers, it may be introduced. We frankly admit that, on reflection, we find ourselves in nowise competent or authorised to give answers to these questions hastily. Nevertheless, there are certain circumstances under which hasts answer is better than none. For example: should, by fatality, the projectors of any innovation seek to tamper with public credulity, trusting to their designs being imperfectly appreciated; if again, for example, and, further, to an issue of scrip; it would be much better top pronunce the fate of such schemes, on data before us, than wait for the next Californian mail.

So it is in this case. Let not Mr. Stattz and M. Le Molt (we trust whe de them justice in saying we believe they will not) push forward their presentions with undue precipitancy, or without proper preliminary in-

formation for the public. To await the time when all parties will be in a condition to reflect dispassionately, and with full materials, on the expose of each applicant, will then be by no means irksome. We would, indeed, wish that convenient depôts had been appointed by the patentees for the sale, or inspection, of their batteries. It is impossible for the patentees to preserve them, if so disposed, from the tests of the scientific; for if chemists and electricians be denied legitimate access, there can be little doubt that, at all hazards, they will obtain the means of indulging their curiosity. Far better for the inventors would it be to allow fair samples of their productions to the manipulators, than to risk a condemnatory opinion expressed by one who may be obliged to collect his own materials for forming a judgment. However, that is a point altogether discretionary, and in which we have no direct concern.

Devoted as this Journal is to scientific subjects, we conceive we do not obstrusively assume an especial duty in attending to the progress of those patents. The stake is valuable, and we must keep it prominently in view, that no jockeying in the race will be permitted. From time to time, we shall lay before our readers such observations as will serve that purpose, and convey to them every requisite information.

The decision of the Lord Chancellor, given in the case of the Wheal Lovell Mining Company, reversing the order or decree of Vice-Chancellor Knight Bruce, is too important to be allowed to pass by unnoticed. The proceedings are reported in another column, from which it will be seen that the Lord Chancellor read the clause relied upon, whereby the company was declared bukrupt, in a widely different sense to the opinion expressed by the Vice-Chancellor, and the construction placed upon the clause by the petitioner. That the case may be fairly understood by our readers, it will be well briefly to review the proceedings from their commancement, the several reports of which have appeared in the Mining Journal in more longthened detail. Mr. Wild, as an adventurer, or proprietor of dive shares in the Wheal-Lovell Mine, was proceeded against as a co-adventurer, with others, for a debt due to Messrs. Fox, and others, from the body of adventurers of the mine, he being liable for the entirety of any claims, or debts, netwithstanding he might be only the holder of one share, and although he should have paid up all calls or charges made, and even have advanced moneys beyond his fair proportion for the working of the mine. We do not pretend to asy such was the case in the present instance, but we assume the point, so as to direct the attention of adventurers generally to the law as it stands, that they may see the position in which." One and All vary placed, and hence the necessity of seeing that the Cost-book System is strictly observed—that of accounts being made up every two months, and no delta or liabilities being allowed to be incurred. The case of Rickertre e. First must have been lost sight of by the Lond Charcellor, we think, on one or two points, as also by connel, or the decision of the Court of Exchequer would have been at warlance with that at which the learned judge, as well as the Lond Charcellor, as think, on one or two points, as also by connel, or the decision of the Court of Exchequer would have been at war

cert the other anderstand what is the Cost-Book System—a question oft saked, but, we believe, never solved, every one having fits own opinion, which; strange to say, is found, on investigation, to be in a ratio, and in accordance with the interests of the perty so advancing it.

In the present instance, it appears that Mr. Will became an adventurer in the mine under notice, to the extent of five shares, or 50th parts, and, consequently, entitled to all advantages arising from the working thereof, or liable to the payment of costs, to the extent of one-handred parts he held by the party. Having signed the cost-book for five shares, or 50th parts, it appears subsequently that the whole number of the shares were not subsertibed for, and that, in fact, 350, or thereabouts, constituted the company—hence aliability was thrown upon the several adventurers who had subscribed, of nearly 50 per cent. beyond that contemplated by them. Besides this delalcation, of which the party, as we contend, very properly complained, we find that certain acts were done, of which complaint was made, whereby the interests of the shareholders generally were searcificed to the advantage of one individual. This, however, as forming no part of the case coming before the Court, we pass by: The plaintiffs in the suit having a claim against the mine for the sum of 101. St. 24., for goods supplied between January, 1846, and October, 1847, allow the matter to sleep until the year 1848, and in the last month of that year, or two years nearly from the first item in the account, think fit to proceed against the defendant for the recovery of the debt due them. No objection is raised as to the goods being furnished, or the account plain and the process of the debt should not have been liquidated by the pursue long since, who was in possesses of a maple funds for such purpose; and next, that his chief most important, was raised, which affects very metalially the operation of the Cost-book System—that of the defendant being limit for such parties of the

of the proceedings in the Court of Exchequer, on 7th December last, formed the grounds of application to the Vice-Chancellor's Court, and the subsequent appeal and reversal thorsof by the Lord Chancellor's Court, a petition is presented by the defendant, ander the Joint-Stock Companies' Winding-up Act, for the losser amount.

We now advance another week, when we find that, in the Vice-Chancellor's Court, a petition is presented by the defendant, under the Joint-Stock Companies' Winding-up Act, for the purpose of dissolving the company, and declaring it bankrupt, on the ground that it was not solvent, and that he (the petitioner) lad been proceeded against for a debt due by the shareholders collectively, and a verdier recorded against him. The clause in the Act recites, that "if any netion shall have been brought against any contributory, or adventurers, of a company for any debt, or demand, claimed to be due from such company, and such company, and such company shall not, within 10 days after notice, in writing, by such contributory of such action shall have been served on the company, have paid, secured, or compounded for such debt, or otherwise procured such action to be staid, or shall not have indemnified the defendant to his satisfaction against such action, and all costs, damages, and expenses to be incurred by him by reason of the same, then that the contributory may present a petition to the Lond Charcellous, for the purpose of dissolving and winding-up the affairs of such company." On this occasion, conneal on behalf of the company contended, that it was not one which came within the meaning of the Act; and, secondly, that the petitioner was not in a position to claim any benefit under the recent Act—nasmuch that, according to his own representations, he had relinquished his interest to the mine in November, 1846.

Thus it would appear pretty evident, that whatever may be the argument of conneal in the Court of Exchequer, on the part of plantiff or defendant, there is no reason why the same abould not

on behalf of the company to discharge the order above recited. Here, having gained the Lord-Chancellor's Court, we find that cousaed contend that the defendant is, to all intends and purposes, an adventure in the mine up to the present moment, and, consequently, so in Sebruary, 1848, when the section was first brought—thus again affording a further instance of the versatility of the caris and talents of the gentlemen of the bury and it is here worthy a passing remark. The caris and talents of the gentlemen of the bury and it is here worthy a passing remark of the caris and talents of the gentlemen of the bury in the case of counsel were employed by the coapany—so that, to use a vinigar expression, nother one or another were required to east their own words. The counsel spout this occasion contended that mining companies were excluded from the operations of the Winding-Up Act, which only actends to joint-stock companies within the meaning of the 7 and 8 Vrc. c. 111, and 8 and 9 Vrc., c. 98, being the Acts recticed in the les section of the Winding-Up Act. It was also contained that the company was in a solvent state, and that, with the exception of the party applying for the order, the other contributions were auxious to earry on the course of the meaning of the course of earry on the course of the safety and their contended that the company had been carrying on operations for the past four years with considerable loss, and were the late of the course of which he stated that, in this opinion, the section clause which had been referred to, was only intended any further description of those particular companies centemplated by the Act, to being manifest the loss of makes the section of the course of which he stated that, in this opinion, the section clause which had been referred to, was only intended any further description of those particular companies centemplated by the Act, to being manifest the order of the court below was reversed. We have already extrict done of the course of which he cause of the course o

Original Correspondence.

VENTILATION OF COAL MINES.

Str.,—It was but in your last week's Mining Journal that you recorded another of those awful calamities in coal mines—explosions of carburetted hydrogen—by which \$3 human beings were suddenly deprived of life, and their wives and families of their supporters and proceetors. When I consider that this, although most severe as to mumbers, is no isolated case, but that these fatal catastrophes are of continuous occurrence (indeed, I fear so much so, that the public do not hear of one-half of them), it appears to me to be the bounden duty of every one in the most remote degree connected with mines to use all his exertions to bring about a safer mode of working collieries than at present provails, which can only be secured by bester and more certain ventilation in all states of the atmosphere. While these views, allow me a small space in your valuable columns to describe a plan which, I feelisatisfied, will prove effectual under all circumsanees, at the same time that it would be very economical in first cost, and kept in repair at a trifling expense. Should the suggestion be the means of preventing a single accident, and thus saving human life and property, my sole object will be accomplished.

I will suppose a shaft about to be sunk for a new coal work; I would, is the first place, have the steam-engine creeted, and a faz-blast put to work from the shaft of the fly-wheel. From the dram of the fan, with one end connected with it, I would carry a wooden trunk, constructed of I-in. elm, and 9 in. by 6 in. in its transverse measurement, to and down the shaft; and in it, just bellow the fan, I would have a slide, or damper, to regulate the admission of air; the trunks should be made in 7-fe. lengths, the ends to slip one into the other, similar to a common socket-joint. As the shaft proceeds in depth, the men keep adding on the 7-feet length of trunk; and when they require air, it is but for the engineman to open the slide, if but half-an-inch, and it will keep the bottom of the pescent proceeded in this manner, and saf

[If Mr. Rogers will forward us a copy of the diagram, we shall be happy to how it to any parties in, or coming to, London, who may feel sufficiently interested in the subject to call at our office to inspect it.]

THE DESTRUCTION OF HUMAN LIFE IN COAL MINES.

THE DESTRUCTION OF HUMAN LIFE IN COAL MINES.

Sm.—Another lamentable accident has occurred, by which eighty-three human beings have been hurried into a premature grave! In your Journal of the 27th inst., it is stated that this loss of life was occasioned by an explosion in a colliery, called the Darley Main, near Barusley, in Yorkshire. As the inquiry into the cause of this accident has not been completed, all comment upon it is obviously inexpedient. Yet, the subject generally is too important, and too intimately connected with the best interests of humanity, not only to justify, but to demand, the serious attention of the public being directed to such measures as may possibly prevent the occurence of them. There can be no doubt but that a fearful responsibility rests somewhere; whether with the Government, the coal-owners, or with the people generally, or with all, it may be difficult to determine. That if these fatal accidents cannot be altogether avoided, yet that they may be very considerably diminished, has been proved to the satisfaction of every unprejudiced mind that has paid much attention to the subject. Royal and parliamentary inquiries, by commissioners and committees, have been instituted, and the facts clicited by them have conclusively proved the urgent necessity there is for legislation, as well as the practibility of remedying, to a very great extent, the existing evils. That nothing further has been done, may possibly be attributed mainly to the apathy of the public, arising chiefly from a want of information. For had the subject been pressed upon the attention of the Government, by numerous petitions to Parliament, its urgent claims to immediate consideration are too strong not to have been favourably received. In the absence of any "pressure from without," it is not to be wondered at that the Government should permit this question to give place to others which were more strenuously forced upon its attention. The habour of Parliament now about comfrom without," it is not to be wondered at that the Government should permit this question to give place to others which were more strenuously forced upon its attention. The session of Parliament now about commencing, it is to be hoped, will have this subject frequently brought before it by numerous petitions, and that the press will give its powerful aid to the cause, by diffusing information upon the subject, and advising the public throughout the kingdom to petition Parliament for such measures as may tend to diminish the enormous loss of life and great bodily suffering to which our colliers and miners are now exposed. You, Sir, have long and most ably advocated the claims of the miner to legislative protection, freely lending your columns for the discussion of the subject, and have recorded the weekly sacrifices of human life which have been occasioned by the supineness of the Government, or the apathy of the public. Your conviction of the necessity there is for some remedial measures will, doubtless, be strengthened by the recent calamity, and will induce you to persevere in befriending, by your powerful advocacy, those who are unable to help themselves, and whose exposure to danger is indispensible to our national existence. Were it possible to induce the public generally to partition Parliament on the subject during the present session, there is little doubt but that Government would readily yield to the pressure, and introduce such measures to the Legislature as are obviously required. It is very probably that any attempt to enact new laws in relation to the manual content of mines are now here executive at the enactive content of mines are now here executive at the surface of mines are now here executive to the accuse the enactive to measures to the executive tensor at a content of mines are now here executive to content of mines are now here executive to the accuse the content of mines are now here executive to the accuse the calamity and will induce the public generally to partition of the mine of th troduce such measures to the Legislature as are obviously required. It is very probably that any attempt to enact new laws in relation to the management of mines, may have to encounter a strong and persevering opposition from parties interested, and, therefore, the general expression of public opinion becomes the more necessary, in order to enable Her Majesty's Ministers to carry their contemplated measures.

It is obviously of great consequence that the importance of petitioning Parliament should be kept before the public, and that strong and simultaneous efforts should be made, throughout the kingdom, to induce the Legislature to take the subject into its immediate consideration, and provide such remedies as may diminish the serious evils to which so large a portion of the industrial population is exposed.

Neath, Jan. 29.

THE COLLIERY EXPLOSION AT BARNSLEY.

THE COLLERY EXPLOSION AT BARNSLEY.

Sin,—The Times, of Monday last, contains the proceedings of the coroner's inquest at the fatal colliery accident near Harnsley, upon which I will, with your permission, make a few general observations.

The undeviating evidence of the colliers show that the colliery was working after the long wall fastion—via. by taking all the coal away in the first instance,—that, as a necessary consequence, the gob, or goaf, was imperfectly filled with small coal and rabbinh, which, whilst it diffectually resisted every current of air, was yet open enough to harbour great guantitles of gas; which is also corroborated by the evidence of Maddison, the viewer, who said that the fire had been in three different quarters of the

mine. It further appeared that, notwithstanding the high winds affected the ventilation, yet were they working in the midst of these goaves with naked candles; and so little dread of danger seemed to exist, that the overman or manager of the underground department was, for several preceding days, doing the business of the above-ground steward, his own onerous duty being left to the fireman, Addy. It does not appear that any scientific viewer had charge of this dangerous colliery, which also, in the year 1847, destroyed apwards of 70 persons. According to the viewer, it was taken to be a well-ventilated pit, with about 6000 cubic feet of air per minute in the principal air course; although Mr. Beaumont pointed out considerable improvements that might be made in the ventilation.

To experienced persons, the general description of the colliery, and its management, will savour of indiscretion; for in a mine which produces gas, these goaves are sure to be foul; and to work in their contiguity with naked candles, whilst even the very ventilation was baffled and deranged by the high winds, would appear reckless. As to this, or the other, being to blame for setting fire to such a mass of combustible, it is beside the question. A shovel was placed as a sign that the candles were to be kept low, because the upper region of the air was dangerous; and yet it was expected that common colliers would observe such hair-breadth niceties. Without, therefore, prejudging the facts which will be brought before the scientific gentlemen to be sent by Government, we may opine, that they will especially direct their inquiries as to the general principles of working, condition of the ventilation, and the state of these goaves in a thick seam producing gas. For if these matters were wrong, then the principle of working should have been changed; and it is in such preventive measures that a salutary check would be introduced by parliamentary legislation, in which the functionaries of the Act would suspend, or stop altogether, any system of

IMPROVEMENTS IN PUMPING WATER FROM COAL MINES.

IMPROVEMENTS IN PUMPING WATER FROM COAL MINES. Sex.—I beg to transmit you, for insertion in your valuable Journal, an account of some improvements which I propose to make in the manner of pumping water from the coal mines in this district. Those who are acquainted with the pumping of water from mines, by means of the lifting sets, or common plunge buckets, are aware of the frequent and serious delays and expenses occasioned by the breaking of the spears, which in heavy establishments it is impossible to prevent, even under the most experienced and judicious management. The great weight of the spears and rods require engines of extra strength, in order to bear the shake and jar of such a mass of materials suspended from the beam. Hence the very large engines required for the pumping of a comparatively small quantity of water from any great depth.

a mass of materials suspended from the beam. Hence the very large engines required for the pumping of a comparatively small quantity of water from any great depth.

The principal objection to the use of forcing sets in mines, and particularly in the northern coal-field, has very justly been the great liability to fracture, owing to the thrast on them tending to cause great lateral flexure, to obviate which a great number of collarings are required, thereby much increasing the friction, and occupying much valuable space in the shaft. The object of the proposed improvement is to attain the greatest effect from the engine power, and also the diminishing the cost of the first establishment, and the annual maintenance of the pumping apparatus. The method which I propose is, to use a double force pump, with solid rams, and to work these by means of wire-rope, or chain. Some of the advantages which I expect from this arrangement are—1. The saving in the primary cost of engine and engine-houses.—2. The saving in the cost of pumps, owing to a smaller and lighter column being as effective as a much larger o is in the system now in use.—3. In the difference of the original cost of wire-rope, sears, collarings, &c.—4. In the annual cost of maintenance, owing to the wear and tear of rams being less than that of buckets, and the reduced liability to fracture, and increased facility of repair, in wire-ropes, compared to that of spears.

Another advantage is in the great saving of shaft room, which is more apparent in deep mines, from the number of sets required in the present system, independent of each other, that the spears may clear; whereas, in the wire-rope system, any number of sets may be placed vertically above each other. Also, instead of one-half the time being wasted on the return stroke, as is the case in the lifting sets, in this system there is a constant flow through the column—thus a 12-in. column becomes equivalent to a 17-in. set of the lifting pumps. This system is capable of many modifications, both as dou

COPPER SMELTING.

SIR,-In my last week's communication, I hinted at the possibility of copper smelted in Australia competing with our home-smelted copper in the Indian market, and I see, by the Journal of the 27th Jan., that such is actually the case—several tons of 90 per cent. copper having already been shipped to Singapore. It is true, however, that if no better copper than the above could be manufactured in Australia, there would be little chance of a supply from that country injuring our market; but it must be remembered, that this is but an experiment, and the parties conducting it are, most probably, comparatively unskilled in the operations. But such will soon cease to be the case. The Messrs. Schneiders' smelting staff has arrived, and, doubtless, will speedily commence operations, under Napier's patent. Again, it appears that the formation of the Australian Smelting Company is completed, so that there will be yet another efficient body of men in the field to dispute, not only our Indian, but in consequence of the facility of working the carbonates and oxides, our home market, I fear, likewise. Hence, then, there appears an actual necessity for our smelters, or any other parties now thinking of embarking in the trade, to change the ordinary method of working, and adopt some more rational (because less lengthy and expensive) means of reduction. Whether this is effected under one person's patent or another, is a matter of indifference, so that it be done; but whatever is to be effected should be effected immediately, otherwise it will be useless.—John Mitchell: Hawley-road, Kentish Town, Jan 29. copper smelted in Australia competing with our home-smelted copper in

COPPER SMELTING.

SIR,—I perfectly agree with Mr. J. Mitchell, that the expense of obtaining the sulphur and iron from copper ores would leave but a small profit on the outlay, and that parties had much better turn their attention elsewhere to economise. It would be far preferable to operate on the nundice of Cornwall for the arsenic, sulphur, copper, and other metals they contain; also the gold and silver that the residue of many would produce.—A. MERRY: Birmingham, Jan. 29.

COPPER SMELTING.

COPPER SMELTING.

Sir.—I believe it will be admitted, without fear of contradiction, that more of your correspondents have called in question the absolute necessity there is in this country for improvements in the ordinary process of copper smelting. There is, however, a wide difference of opinion as to how such improvements are to be effected.

It appears, for instance, in Mr. Mitchell's letter, in last week's Journal, that he will at least—in his forthcoming specification—disregard the loss of sulphur and iron in smelting the common eres of copper. Of course, I differ entirely from him, and chiefly on account of the three following reasons:—Firstly, the enormous quantity of sulphur that would be lost, or volatilized into the air by the common calcining (wasting) farnaces, to the injury of the neighbourhood; secondly, the great loss of profit consequent upon thus dissipating the sulphur, instead of saving it as sulphuric acid; thirdly, omitting to turn to account the thousands of tons of iron pyrites, which might be raised economically in the same mines with the copper ores.

In regard to the first reason, it was only a few weeks since that an alkali work in Yorkshire was stopped, because of the nuisance arising from the spirit of salt, which though not the worst kind of nuisance, is bad enough, even in the most favourable localities for condensing the gas; indeed, the idea of a patent granted a few years since for making alkali at sea, is not now quite so Quixotic after all. With respect to the second, if we take the average per centage of copper in the last sale of 789 tons (21 cwts.) of copper ore raised at the Consols Mines, at 6'94, and that of sulphur at 22'5, we shall find that to make 100 tons of copper no less than 324 tons of sulphur must be lost or volatilised into the air, as sulphurous and sulphuric acids, exclusive of arsenious and arsenic acids, oxide of sinc, and antimonious acid; and, supposing the freight and insurance to be 6's. per ton (20 cwts.). These charges amounted to 97.4 4s., besides wasting the 324 tons of sulphur. Now, I unhesitatingly affirm, from my own experience, that the sulphur, in a great measure, can be most economically saved in the shape of free sulphuric acid, and the most part of the remainder ultimately as copperas, which may be applied to decompose salt to make a lakali, with out creating a nuisance.

Lastly, the sulphur of commerce that is used to make sulphuric acid is a very impure article, for I have found, in operating with some hundreds of tons, that much of it contains from 7 to 14 per cent. of fixed impurity alone. No wonder, therefore, that the illustrious Baron Liebig, in his last edition of Turner's Clessustry, says that "Arsenous acid, derived from arsenic in the sulphur used in the manufacture, has been lately detected in most of the oil of vitriol made in Germany." The rich iron pyrites raised in Cornwall, and that which contains 10'5 per cent. of silex, gathered on the Isle of Sheppey, and round the south coast of England, are much to be preferred for making pure vitriol. The calcined iron pyrites, though not equal to Mushet'

THE COPPER TRADE.

THE COPPER TRADE.

Sir,—I should be unwilling to intrude on your columns with regard to this subject, which, I may say, has almost been worn threadbare, but the letter of your American correspondent, "G. B.," in last week's Journal, induces me to trouble you with a few brief remarks. It appears, that while we have been discussing the subject of the mining and smelting interests, our trans-Atlantic brethren, in their usual go-a-head style, have erected smelting furnaces in several places, and already successfully commenced operations, proving what has been so often adduced by various of your correspondents, that the capital required for the plant of a small smelting-works, is not so enormous as has been imagined. Your correspondent says, and with justice, "while with no experience, comparatively no means, and doubt as to the supply of ore, we can start the business in the United States, it is not done in Cornwall, let us hear no more whining about the terrible smelting companies." In most parts of the county of Cornwall, a reverberatory furnace, of the usual size, could be constructed for about 100%; one of these furnaces would smelt 30 tons per week, exclusive of foul slags and slags from the metal furnace. Three of these furnaces would smelt 90 tons per week, allowing for the time they would be under repair and out of fire; the smelting would be about 4000 tons per annum. To reduce this to fine copper, in addition to these furnaces, a calciner, which could be used both for the ore and regulus, would be occasionally employed to work the ore, a reaster, and a small refinery, the erection of which would be about the same expense as that of the ore furnaces, is all that is necessary.

There would be not difficulty, should any mining proprietary form an es-

be occasionally employed to work the ore, a roaster, and a small refinery, the erection of which would be about the same expense as that of the ore furnaces, is all that is necessary.

There would be no difficulty, should any mining proprietary form an establishment of this description, if their own ores were stubborn, of their being able to purchase small parcels of more fusible ore to flux them. It requires but one small energetic company to start, and there is no doubt but others would soon follow in their wake. The copper thus produced would be thrown into several hands, and exposed to a fair competition in the market, which would materially benefit all parties interested in its production and consumption; while we should still retain the proud position we have hitherto held, and which, I fear, unless some change takes place, we are in danger of losing. That the introduction of the German method would be a saving there is no doubt, but I much question whether in Devonshire, or Cornwall, the local authorities would allow calcining in heaps in the open air. In parts of Germany where it is practised, the sulphurous vapours destroy all vegetation in the vicinity of the works, and when there are high winds, an offensive smell is perceived some miles from the spot. In Norway and Sweden the mines are not allowed to calcine their ores but st such periods as the snow lies on the ground, and, I apprehend, the attempt at the introduction here would meet with great opposition from all parties having land in the neighbourhood; and from this cause, however beneficial it would be to the miner, I do not consider it would be practicable here.—Delta: London, Jan. 29.

METALLIC DEPOSITS.

METALLIC DEPOSITS.

SIR,—There is nothing new in gold being found interspersed in ferruginous quartz veins—indeed, these kind of lodes are innumerable in all gold producing countries; but to find such lodes sufficiently productive to pay companies, would indeed be something new. This view of the case is entertained by all those who have had anything to do with gold mines. Mr. Hopkins's report on the gold mines of Panama, Veraguas, &c., confirms also the same general opinion of the poverty of quartz lodes. I am glad to observe that the important distinction between alluvial deposits and veins are now appreciated, and supported in your able Journal. I am sorry to find that Mr. Hopkins is absent from England, as I was anxious to see him entering further into this subject. Mr. Mushet does not appear to understand the important distinction between the two sources of metal in an economical point of view.

A MINE AGENT.

Carneall, Jan. 31.

THE ROVEY COAL OR LIGNITE—EXPERIMENTS.

THE BOVEY COAL OR LIGNITE-EXPERIMENTS.

Water (per cent.) 25:0 ... 35:6 ... 21:7
Ash... 31:4 ... 00:8
The third result was obtained from a larger specimen of the same kind of coal. The moisture was also estimated in other pieces, weighing from 200 to 800 grs., and always amounted to between 20 and 30 per cent. This small quantity of ash, indeed so unexpectedly small, was highly encouraging, as it seemed to promise a fuel of great value for many manufacturing purposes, and, if some process could only be discovered for deodorising it, fit for general and domestic use. A larger quantity was consequently submitted to me for examination, by a gentleman interested in the subject. This time it was in pieces weighing from 3 to 20 lbs., much darker—in fact, nearly black—heavier, and scarcely distinguishable from ordinary coal, except in being less brilliant, and having a more regular fracture. I submitted this also to the test of analysis, and the annexed experiments will show with what success:—

1st experiment. 2d experiment. 3d experiment.

Water (per cent.) 31:5 28:3
Ash... 35:0 14:6 10:8
These results at once proved that the Bovey lignite differs exceed-

These results at once proved that the Bovey lignite differs exceedingly in its amount of solid residue, and that a careful examination of the numerous beds is highly requisite, before any attempts are made to intro-

duce it to the notice of capitalists as an object for speculation or profitable expenditure. I have heard, from a gentleman who has since visited the spot, that the lignite last examined is of about the average quality, though there appears to be some of the superior kind also—specimens of which I hope soon to have again furnished me for further examination. With regard to coking, I fear the difficulties are very great; for the mere drying, at a temperature of 100° to 150°, so expands the pores of the lignite, that it cracks up into mere chips, in which state it is comparatively useless; and, unlike small coal, does not again cohere in the retort. A average ton of lignite may, therefore, be regarded as containing—carbon, &c., 11 cwts.; water, 5; ash, 4=1 ton of lignite (20 cwts.) How far this is applicable for the purposes of the Bovey Iron and Charcoal Company, it is for its shareholders to decide. I may, however, add, that the heat which the lignite evolves on combustion, with all its water and ash, is very considerable, from the great volume of flame attending it; but the residual ash is enormous, almost filling the furnace itself.

Francis Rudall. FRANCIS RUDALL.

BOVEY IRON COMPANY.

BOVEY IRON COMPANY.

SIR,—As the object of the proposed company, alluded to in your Journal of the 20th inst., appears to be the same as the West of England Steel Company—that of making best bar-iron—perhaps a few observations may not be unacceptable, as some years ago I had the conducting a series of experiments abroad on puddling with raw liguite, as well as with lignite charcoal. I think the Bovey Company may go boldly to work and use the raw fuel, both in the blast and puddling furnace, to much greater advantage than by first charring their coal, as in the blast-furnace there will be less waste from dust, and the fuel will be sufficiently charred before it arrives at the hearth; and, in the puddling furnace, it will be found that, if the pig-iron is of that quality fit for making the best bar, it will not require again to be brought in contact with charcoal in the puddling process, as it will, by smelting with lignite, have absorbed sufficient of that substance, which chiefly causes the superiority of charcoal iron; but, should charring the coal be considered a sine qua non, probably the injecting steam at a temperature of 600° or 700° Fahr., into large kilns, as adopted in Bavaria for charring peat, will be found more economical than charring in the common way. The proximity of the Bovey coal to ore, similar to the Dannamora, has probably suggested the proposed company; and, as the projectors are said to be practical men, we may hope soon to hear favourable results.—E. K.: Jan. 23.

ON THE USE OF PEAT FUEL IN MANUFACTURING IRON.

SIR,—If your correspondent, "E. K.," will oblige by giving a little more information on the use of peat fuel in puddling and mill furnaces, he will confer a great favour on me, and many others, who are personally interested. I am surprised at his statement, of requiring only 9 tons of peat to puddle 10 tons of iron. He, no doubt, can inform us how many tons it takes for 10 tons of finished bars—that is, from the pig to the finished bar; and, perhaps, he can also inform us how much peat charcoal it takes in the blast-furnace for a ton of pig-iron produced, when the ore yields, on an average, 50 per cent.—V. P.: Jan. 25.

it takes in the blast-furnace for a ton of pig-iron produced, when the ore yields, on an average, 50 per cent.—V. P.: Jan. 25.

IMPROVED PRESSURE GAUGE.

Sir.,—The annexed diagram represents a new steam gauge for measuring the pressure of fluids; it is partly in elevation and partly in section: a, is the pipe which connects with the steam-boiler, or other reservoir, the pressure of the contents of which it is desired to measure; b, is a tube of vulcanised India-rubber, attached to the expanded end of the pipe, a, by tying, or otherwise: the lower end of the tube, b, is closed by a plug, c, to which the pointer, d, is affixed; e, is a compact helical coil of steel wire, surrounding and preventing the India-rubber tube, b, from expanding in the direction of its diameter; the coil of wire, e, is made fast to the pipe, a, and plug, c, and acts in conjunction with the elasticity of the India-rubber tube in measuring the pressure of fluids, in the same way as the spring balance does in the weighing of solids; f, is merely an external case, or tube of brass, which protects the gauge, and to which the index plate is attached, That a simple, accurate, and inexpensive pressure gauge is a desideratum of more importance than at first sight it appears to be, all who have had to do with high-pressure endies will admit. I say high-pressure steam-engines, because in those that work but at 8 or 10 lbs. above the atmosphere, such pressures are measurable by a column of mercury of a few inches; but with pressures from 30 to 100 lbs., and upwards, it has hitherto been necessary to make use of the compressed air-gauge—which gauge has many defects, such such such as the indistinctness with which it indicates the units of pressure on the higher portions of the scale. I have been at much pains to procure glass tubes, of such diminishing size of bore as would compensate for this varying density of the compressed air contained in the gauge, so as to equalise the scale; but hitherto I have not such the scale; but hitherto I have not such

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CRADDOCK'S IMPROVEMENTS IN THE STEAM-ENGINE.

Sir.—The candid manner in which Mr. Weston has expressed himself in his letter, inserted in the Mining Journal of the 6th inst., is strikingly diverse to that I had occasion to allude to in mine of the 30th of December, where the poisoned dagger is ever wielded in the dark. That the brief exposition given in my lectures of the principles from which the steam-engine has derived its present efficiency, and the means whereby we may yet considerably increase its profitable application, should have directed, or assisted, any one in prosecuting their labours for improving it, is to me some recompense for the great expense incurred and the many years of anxious thought and toll I have devoted—not to the mere enunciating of principles, but to the carrying out of those principles practically. In early life, I was foolish enough to imagine, that if I devoted my energies to the investigation of subjects calculated to advance the interests of mankind, that at least (if I could), I should be permitted to benefit them; but, alas! how little does the youthful aspirant anticipate that cold, calculating selfishness, which, goaded by envy, is unrelenting in the torture it inflicts upon those who dare to appropriate the elements to man's service. Owing to the partially informed state in which mankind has hitherto existed, there has ever been found in the world a class of men, who, though incapable themselves of producing any comprehensive improvement, yet

have had sufficient power over the multitude to render the most formidable obstructions to those, who, having such power, should dare to introduce their innovations. It is by this combination of circumstances that we must explain that strange anomaly presented, in the fathers persecuting, and their children building the monument. I may mention the case of Watt, as an illustration, of how far mankind are mislead by placing implicit confidence in those whose interests and wish it is to suppress good inventions, and to rob the rightful owners of their just reward.

How long this blind infatuation is to render mankind the neglecters and punishers of those who most deserve their encouragement, it is difficult to say; but, I fear, until men become individual thinkers, and investigate for themselves matters presented for their acceptance, one thing is clear, that the interests of the great mass of mankind, and that of those who produce good inventions, are one and the same; whilst the interests of the few who would suppress such inventions are opposed to that of the public. Hence it does appear to me, that if we wish to advance the cause of truth and honesty, and are sincere in our desires for the prosperity and happiness of mankind, that nothing is of so much importance as that universal education, which would enable all men to discern clearly those fundamental principles upon which the various branches of human knowledge are based: such knowledge, I think, may be acquired in youth, and from it would result a force of thought, which the possessors, in after life, would be able to turn at will upon any subject.

Mr. Weston speaks of the condensation of the steam by the atmosphere, as if it was a mere theoretical idea—whereas it is not amore realised fact that Watt condensed in a separate condenser, than that I condense the steam and obtain the vacuum by the atmosphere—nay more, realise the Cornish economy, where no water for condensation exists. On this head, too, there is indisputable testimony given in my lectures o

THE RATTLESNAKE.

THE RATTLESNAKE.

Sin,—I am sure you will forgive me calling the attention of the public, in your pages, to the dangerous brood now in the live collection of the Zoological Society, in the Regent's-park. I allude to a female rattlesnake and her progeny—a more formidable reptile than the crotalus horridus, or rattlesnake, does not exist. It is scarcely exceeded in malignity by the cobra di capello of the East, or the poff adder of Africa; though the tie polonga may quench life with more electric rapidity, the rattlesnake is equally fatal in the wound it inflicts. There is this superadded danger, that the rattlesnake is indigenous to North America, and would find in Great Britain a kindred and congenial clime. The possibility of the escape of one of these terrible reptiles, and the multiplication of the species among us makes one shudder. I did not much like an encounter with a fierce adder, some time ago, in the Island of Arran. I, however, destroyed it; but, I confess, the vision of a rattlesnake would paralyze me. Let it be remembered, that individuals of this fearful brood actually made their escape after capture in their native country; for, if I mistake not, there were originally thirteen of these young reptiles. True, they are in a glass case; but an accidental fracture might liberate them, and the poison they spirt when irritated, and projected to a distance, might prove fatal, as was the case in reference to the carpenter in the Tower. The case, too, of the physician who fell a victim to the bite of the rattlesnake which subsequently inflicted the fatal wound on Mr. Drake, at Rouen, in Normandy, when the French Government very wisely passed a law; interdicting the introduction of the live rattlesnake into France; and I have no hesitation to say, that our public authorities will fail in their duty if they overlook the formidable brood I have now referred to.—J. Murray: Porland-place, Hull, Jan. 27.

ANEROID BAROMETER.

ANEROID BAROMETER.

Sir.—I freely confess that few inventions in modern times have imparted more interest to my mind than the aneroid barometer, as a most simple, ingenious, and useful piece of mechanism. The specific name, perhaps, however, chosen forit, is rather confessed, and not happily adapted. It may be asked, "What's in a name?" But there is everything in aname; and that of aneroid does not seem to me sufficiently expressive. The aneroid barometer, however, is a truly beautiful instrument; and, what is of far more value, extremely portable—of inestimable worth to the mountain traveller. I know, from dear-bought experience, the excessive care required, and the fragile nature of Sir Henry Englefield's mountain barometer, in my Alpine excursions, and those among the Appenines. In 1818, the late Captain Basil Hall, R.N., and myself measured the height of the Simplon above the level of the Mediterranean by the ebullition of water, by means of the delicate thermometer constructed by the Reverend Francis Wollaston for the special purpose; but I can remember that its indications, compared with those of our mountain barometers, gave a difference of 600 feet. It had been hoped that this sensitive thermometer might have been a happy substitute for the instrument of Sir H. Englefield. It has, however, disappointed expectation, and is itself, moreover, a fragile affair.

The aneroid barometer is the invention of M. Vidi, and sanctioned by the approbation, and introduced to this country under the eminent auspices of that justly distinguished chronometer-maker, Mr. Dent, and we have in that introduction a full and ample guarantee for its excellence. I have considered its structure, and find it in perfect harmony with the sound principles of aerostatic science. I am informed that this beautiful instrument has been tested among the mountains in Scotland, and that it has been found all that could be wished for. The aneroid barometer is equally well adapted to the measurement of the deepest minensathe loftless mountains,

A TOAD IN GRANITE.

A TOAD IN GRANITE.

Sin,—Dr. Murray seems so uneasy upon this subject, that I will briefly explain the circumstances which led me to the firm belief, that I have seen a living toad taken from a block of granite. A quantity of granite was used, some 20 years ago, in repairing the walls and steps connected with George's Dook Basin, Liverpool. In those days, I lelt a livelier interest in a cruize off the Ormshead, than in investigating what constituted the life of the atmosphere, or what heals its sickness, or indeed any other stern scientific reality, peculiarly the province of those who never indulge in metaphorical flowrishes. I was more ready to seize an oar than a surbeam; and the actingism of the sea breeze upon the sails, was more to my mind than that of the electrical senbeum, by whose miraculous light our free-trade rulers saw their own folly nearly as large as life; whilst Sir R. Peel saw that people were beginning to see through the Bank Charter Act. But to return: my attention was attracted by a crowd of persone surrounding a birck of granite, which had been ent spars by the workmen on George's Pier. I was informed that a toad had been found in a cavity, laid open by parting this mass of granite; and, upon inspection, the cavity and the toad were both sufficiently visible. To extricate the creature, one of the workmen cut away a portion of the stone from the edges of the cell, and the toad was taken out, and exhibited signs of life for a time. All parties present seemed to agree that no deception could have been practiced; and indeed, from the opening into the cavity having to be enlarged before the toad could be extricated. I believed then, and I now believe, that the toad had been inclosed from the era of "granitic infancy."

THE POETRY OF SCIENCE.

THE POETRY OF SCIENCE.

Sir.,—The blushing honours of Count Radlinski come thick upon him. For a time I imagined that in the chevalier's style I recognised the flowing pen of "Ferreus;" but I was in error. The remarks of these gentlemen recall to my mind a couplet which I have somewhere read. It runs thus:

"Asses and owls, unseen, themselves betray,
When these attempt to hook or those to tray."

But the remarks of "Ferreus," upon the ideology of "T. A. E.," are worthy of attention. I would suggest to "T. A. E." that a gigantic swivel-crane, planted midway upon the isthmus, might be employed to raise and swing the loaded ships from ocean to ocean; or the ships might be furnished with an immense pair of cogged paddle-wheels, which, with the assistance of the crew and passengers pushing astern, would enable the sea-borne craft to quit its native element, and travel at the rate of five miles an hour across terra firma; or each ship might be furnished with stupendous joint-stock steel springs (from Bovey lignite), upon the grashopper or kangaroo model, with which it might cross the barrier, per saltum, ponds being dug at proper distances in which to receive the flying monster unhurt; or an enormous gutta-percha kite might be kept always flying, and in readiness to take any vessel in tow, and in case of the wind proving unfavourable, a powerful blowing-machine might be placed upon the deck of the ship, and arranged so as to disclarge a column of air in the proper direction against the kite. "T. A. E." can readily determine whether these hints are of any value in an engineering point of view, and whether they are likely to supersede his tram-road and patent slips, to say nothing of accidental slips which might occur between the termini.

STEAM-CARRIAGES ON COMMON ROADS.

STEAM-CARRIAGES ON COMMON ROADS.

these hints are of any value in an engineering point of view, and whether they are likely to superseed his tram-road and patent slips, to say nothing of accidental slips which might occur between the termini.

SIOMA, Jan. 30.

STEAM-CARRIAGES ON COMMON ROADS.

RESPECTED FHEND,—Fernit see to effect some observations to your readers relative to an extraordinary letter which appears in your last Journal, signed "A Road Locamotive Engineer," on the subject of Thomas Clarke's report of Sir James Anderson's steam-carriage. I will pass over his introductory business, which appear to me to be succurrentable. I am personally actively removed, which appear to me to be succurrentable. I am personally actively removed, which appear to me to be succurrentable. I am personally actively removed to the village, not to say base, immunations or status of vengeance levelled at him by your correspondent. After this, he kindly proposes to undecideve us, and alluels to my being enamoured with Thomas Clarke's report, and, most exclusing, his letter has not lessened my faccorable opinion of it, but here, methics, every peeps out, and reminds me of an edies achieved year the approbation of his superiors, and, therefore, the former takes every opportunity of annoying the latter by false, or malicious, insinautions. Hotten proceeds to assert, that most of the essential principles which T. C. mentions have already been attained by himself and others; and vet, strange to say, their perfect and successful accomplishments have never made that superance; perfect in not attained by himself and others; and vet, strange to say, their perfect and successful accomplishments have never made that superance; perfect and successful accomplishments have never made that superance; perfect and successful accomplishments have never made that superance; perfect and successful accomplishments have never made that superance; perfect and successful accomplishments have not be adminished to successful accomplishments have not an extraordial substance of the su

Mr. Thomas Bouch, C.E., of Darlington, has been appointed manager of the Edingburgh and Northern Railway.

INCREASE OF INSURANCES.—In 1831, the value of insured property was something above 526,000,000L. In 1841 it amounted to 682,000,000L, being about an increase of 30 per cent. in 10 years, and since then it has increased in causal proportion.

equal proportion.

Holloway's Ointhent and Pills, the Pinest Remedy in the World Pros the Cure or Scorola.—David Davis, a miner, living as Newyors, bad been at filtered from his infancy with scrotule, or king's evil, which was greatly aggravated by the mature of his employment. All the doctors he applied to were unsuccessful in their treatment of his case, even those at the infirmary at Bristol, whether he had gone in the hope of obtaining relief. In this condition he commenced the use of Holloway's introamment of the case of the considered by those combinant of it to be perfectly infractions. So ld by all vendors of medicine, and at Professor Holloway's establishment, 344, Strand, London.

I do not wish to draw upon the credulity of Dr. Murray; and he will, perhaps, explain why toads are able to live for hundreds of years shut up in timber, for thousands of years in sandstone, coal, &c., and yet they cannot live for a few thousand years more in granite.

With respect to the fossil forms in the granite of Guernsey which I have seen, I am not disposed to surrender up the evidence of my senses to the fint of even Dr. Murray; and high as his scientific knowledge unquestionably stands, I must remind him that he is not infallible, nor is he the only accurate observer of fossil forms in existence. When Dr. Murray again announces the discovery of fossil human remains in sandstone, I trust I shall not be so forgetful of common courtesy, as to term his enunciation a fable, but shall content myself with believing that he is mistaken as to the human origin of the fossils.

ROBERT MUSHET,

Coleford, Jan. 30.

THE POETRY OF SCIENCE. quintals; boiling establishments, 111,374; mines of rock salt, 420,609; salt springs worked, 314,290=3,485,495 quintals. The same authority states the consumption to bo—Used in fisheries, 385,495 quintals; making soda, 550,000; cooking, &c.,2,450,000=3,385,495 quintals; making soda, 550,000; cooking, &c.,2,450,000=3,385,495 quintals; making soda, 550,000; cooking, &c.,2,450,000=3,385,495 quintals; making soda, 550,000; cooking, &c.,2,450,000 and the duty of 30 centimes the kilogramme (2 lbs.), or 30 fr. the quintal (about 24. per ton)—the revenue from which was 73,500,000 fr., or nearly 3,000,000. sterling. From this sum, the cost of levying and protecting the revenue had to be deducted, amounting to 13,500,000 fr., so that the Treasury only took in about 2\frac{3}{2}\$ millions sterling. Documents, of unquestionable authenticity, show that, before the first French revolution, the consumption of salt in the provinces of Haute Gabelle, or those in which the heaviest tax was raised, did not exceed 4.58 kilogrammes (about 9 lbs.) per head of the population. The duty was abolished in 1793, and was not re-established until after Napoleon became emperor, in 1806. In this interval, the consumption in those provinces had more than doubled—having risen to 10 kilogrammes (20 lbs.) per head. After 1806, when the duty was fixed at 300 fr. per muid, or 10 fr. per quintal, but was soon raised to 600 fr. per muid, the consumption fell to 6 kilogrammes per head.

It is hence clear that this duty was highly oppressive in its operation, and there can be little doubt that a lighter impost will greatly increase the mand there can be little doubt that a lighter impost will greatly increase the mand there can be little doubt that a lighter impost will greatly increase the sum of the consumption and the can be presented and the consumption and the can be presented and the consumption and the consumption and the consumption and there can be little doubt that a lighter impost will greatly increase the consumption and the consumption and

grammes per head.

It is hence clear that this duty was highly oppressive in its operation, and there can be little doubt that a lighter impost will greatly increase the demand for salt. Perhaps the greatest inconvenience to the consuming public arose from the necessity of confining the manufacture of salt to certain localities, where it could be effectually controlled. From these stations it was often carried immense distances by land carriage, which alone would have raised the price enormously, without the intervention of the tax gatherer. But when it is considered that the heavy duty had to be advanced by the dealers immediately on the salt carts leaving the precincts of the salines, it must be evident that the consuming population was doomed to a heavy fine, in order to indemnify the purveyors for this inconvenient arrangement.

convenient arrangement.

The prime cost at the salines on the coast of Brittany is stated to have been latterly but 1 fr. per quintal, or about 18s. 6d. per ton. At this price, the profit on the fixed capital invested in the pits in which the sea water is allowed to evaporate, did not exceed 3\frac{1}{4} per cent., when the owner him-

allowed to evaporate, did not exceed 34 per cent., when the owner himself worked the pits.

The smaller proprietors of the Marais salants and their workpeople are represented as very poor, being greatly exposed to casualties in their trade from rain and storms. An increased demand was, therefore, very desirable for their sakes; but as it is not so easy to supply a double consumption from the rude materials employed in this branch of manufacture in France, it is likely that a large foreign importation will take place, to which the French will have the less objection that it forms now the only chance the Government retains of getting a revenue. The margin offered to our shippers is to be sought in the cost of carriage which tends greatly to increase the price at present, while our vessels discharging at the termini of the great railways, can distribute over a great portion of the north, at least, their welcome cargoes.

The agricultural statistics of France show that the cattle of that country ought to consume annually at least one third of the quantity which we

at least, their welcome cargoes.

The agricultural statistics of France show that the cattle of that country ought to consume annually at least one-third of the quantity which we have shown is left for use in cooking. There are 9,936,500 head of horned cattle, and 38,000,000 of sheep and pigs, according to recent returns. The consumption of these animals ought, at least, to equal 1,125,500 kil, of about 2 lbs. each. As the consumption of these animals has hitherto been limited by the same pressure as that of men, a corresponding increase for farming purposes may be expected to follow the opening of the trade. The calculation at present stands thus, as far as the budget of the year is concerned:—The Minister proposed to reduce the duty on salt by two-thirds, or from 30 fr. to 10 fr. per quintal. He, consequently, speculated on more than an increased consumption, from 7 kil. to 10 kil. per head, if he was not to lose by the change.

The Chamber has abolished the home duty altogether. The Minister must, therefore, see what quantity of foreign salt would make up his deficiency. Supposing the consumption to double, there would be a quantity of 3,500,000 quintals to supply, which, if taxed at 3½ fr., would supply a revenue of 11,750,000 fr. Since the calculation, originally made by Messrs. Passy and Faucher, contemplated either a loss of revenue or a greater consumption than double the present quantity, we have here a loss of 48,250,000 fr., instead of the whole 60,000,000 fr., as some apprehend; while the increased consumption, whatever it be, still remains to be made up by the French saltmakers.

But 3½ fr. is the duty payable only by importers of salt in foreign vessuels. For mealing and the contemplate of the contemplated in the care and the contemplated in the care and the contemplated in the care and the ca

while the increased consumption, whatever it be, still remains to be made up by the French saltmakers.

But 3½ fr. is the duty payable only by importers of salt in foreign vessels. From Belgium, salt is to pay only 2½ fr. per quintal. The great approximation to free commercial interchange, thus suddenly made, naturally indisposes all who are likely to profit by it to be censorious. Nor do we fear that, even with this differential duty in favour of Belgium, our merchants will find harbours enough where their salt will be welcome. Still it is amusing, that the Assembly could not separate without giving a token of the animus pervading the class of men out of whom its members were taken, and whose watchword is a dread of England's rivalry in every branch of industry. The differential duty, as it now stands, imposes a gratuitous loss to the revenue; since, unless the supply from Belgium is sufficient to lower the price of the quantity imported from England, the difference between the duties will go into the salesman's pocket, and the consumer will not be benefitted by the distinction drawn. The Minister was clearly powerless during the whole debate, in which the sense of the constituent Chamber was against him. But there is reason to believe that neither the present Cabinet, nor the President, would have drawn the distinction made, if they had been able to exert any influence in the Assembly. Perhaps the new Chambers may reconsider the vote.

QUICKSILVER MINES IN CALIFORNIA.—The American Mining Journal gives the following account of one of the quicksilver mines discovered in California, and which is the property of Mr. Forbes, the British Consul at Tepato:—"Mr. Forbes," it is stated, "is the owner of, perhaps, the richest quicksilver mine in the world, situated about 18 miles from this place (Rancho de la Purissima Conception, California). The mine has been worked but a few months, but the ore is extremely rich and very abundant. The bed of ore is 42 ft. thick, and of extent unknown. The only apparatus at present used for extracting the metal consists of three or four old potash kettles, very imperfect; yet with these over 1000 lbs., or \$2000 worth, are obtained weekly. With suitable apparatus, it could clear easily half a million dollars a year. Several othermines of quicksilver have been found in the neighbourhood, of more or less promise, but none of them, apparently, so rich as this. They are montly, with the exception of that of Mr. Forbes, in the hands of Americans. Mr. Forbes owns a tract pertaining to his mine of 14 square miles."

PEARLS AND MINERALS IN CALIFORNIA.—Pearl-fishing is the chief employ-

the exception of that of Mr. Forbes, in the hands of Americans. Mr. Forbes owns a tract pertaining to his mine of 14 square miles."

Pearls and Minerals in California.—Pearl-fishing is the chief employment of the inhabitants about the bay of La Paz, and the pearls are said to be of superior quality. I was shown a necklace, valued at \$2000, taken in this water—they are all found by diving. The Yaque Indians are the best diveraging down in 8 fathom water. The pearl shells are sent to China, and are worth at La Paz \$1½ the arroba, or 25 lbs. "The mountains in the vicinity are said to be very rich in mineral. Some silver mines near San Autonio, about 40 miles south, are worked and produce well. La Paz may export \$100,000 a year of platapina. Gold dust and virgin gold are brought to La Paz. The copper and lead mines are numerous and rich. "The island of Carmen, lying in front of Loretts, has a large salt lake, which has a solid salt surface of several feet thickness. The salt is of good quality, is cut out like ice, and it could supply the world. It has heretofore been a monopoly to the governor of Lower California, who employed convicts to get out the salt and put it on the beach ready for shipping. It is carried about a quarter of a mile, and is sent to Mazatlan and San Blas. A large quantity of salt is used in producing silver. "In the vicinity of Los Angeles there are a number of warm springs which throw out and deposit large quantities of bitumen or mineral tar. This substance, when it cools, becomes hard and brittle like resin. Around some of these springs many acree of ground are covered with this deposit to the depth of several feet. It is a principal material in the roofing of houses. When thrown upon the first inguites immediately, emitting a smoke like like from thrown upon the first it ignites immediately, emitting a smoke like like from thrown upon the first it ignites immediately, emitting a smoke like like from thrown upon the first it ignites immediately, emitting a smoke like like from thrown upon t

O PUBLIC COMPANIES, MERCHANTS, MINERS, &c. EVERY DESCRIPTION of ACCOUNT BOOKS requisites or the Countries Board-Rook, manufactured to any pattern and ruling, hot-pressed, and bound at durable manner (paged in tyres, without additional cost), on a scale of clarges or meet the times.—WRITING PAPERS, ENVELOPES, and STATIONERY, y best description, on the like reduced scale. Lists on application.

F. W. RALPH, COMMERCIAL STATIONER, 36, THROGNORTON-STREET, BANK, LONDON.

GARNE'S BULL HOTEL, 92, BISHOPSGATE-STREET.
WITHIR, LONDON.
GEORGE CARNE, in announcing the REOFENING of this long celebrated HOTEL, which has been newly farnished, painted, and decorated throughout, begs to assure his riends, and strangers visiting the metropolts, that every effort will be used to afford them all the combrist of home. The Steeping Apartments, to which especial care has been dicted, will be found equal to any in London, whilst the following List of Charges will now that every thing is conducted on the most economical scale.

Bed and Braskfast, 3s, ser day: Dinner of two courses, and imperial half-pint of wine, a take ordinary, at half-past One, 2s.; private sitting-rooms, from 2s. per day.—Fixed harge for servants.

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the ordinary, as navegate the state of the control of the control

- Mine Agents having besit fide valuable Setts to bring before the public, will be ccd to parties likely to advance their interests.

CURE OF STAMMERING.—Mr. HUNT begs to announce, that he has returned to his London residence, No. 224, REGENT-STREET, for he season.—A PROSPECTUS, containing TESTIMONIALS, &c., of CURES effected at differant periods during the last 22 years, will be sent, on application as above, to any art of the kingdom, free of expense.

Mr. Hunt attenda pupils at Swanage, horset, during the months of July, August, and eptember.—224, Regent-street, Jan. 30, 1849.

TURE of TWENTY-NINE YEARS' ASTHMATIC COUGH Dy Dr. LOCOCK'S PULMONIC WAFERS.—" Middleton, near Manchester, July 347.—Sir: I am now 44 years of age, and I have been affileted with an asthmatic since I was a boy, 15 years of age. During that time I have resorted to every means power to remove it, but in vain, until last Sunday, when I sent for a small box of occk's Wafers. I have taken two boxes since, and, from the effects they have had me, I feel no doubt of a speedy recovery.—G. Syzinosa." Dr. Locock's Wafers give it relief, and a rapid cure of astima, coughs, and all idsorders of the breath and lungs, singers and public speakers they are invaluable, for clearing and strengthening the; they have a pleasant taste.—Price Is. 14d., 2s. 9d., and I is, per box.
ents: Da Silva & Co., I, Bride-lane, Fleet-st., London; sold by all medicine venders.

RAILWAY CALLS.—The amount, so far as yet advertised, for the menth of February, is 1,302,2761. In the corresponding month of last year the total was 2,272,542 L; and in 1847 it was 1,393,0251.

February, is 1,302,2764. In the corresponding month of last year the total was 2,372,542 l; and in 1847 it was 1,593,0254.

California.—Among the numerous projects which have been put before the public since the gold mania set in, the very absurdity of which, in many instances, were too self-evident to admit of doubt as to the objects of the projectors, who evidently looked rather to the gold to be acquired in England, than any they might contemplate in the newly-discovered gold region, one prospectus has been placed in our hands, which we think deserving of notice, masmuch that there appears a something legitimate about it, although we think the projectors carry their views a little too far, but which will, doubless, be rectified, as we have no doubt will be found necessary in working out the scheme. The present company is the first projected, at least in this country, which appears to have considered that "all is not gold that glirters," and that mercantile transactions, properly conducted, are equally calculated to fill the purse as are the beds of the rivers and ravines; hence the project under notice. It appears that negotiations are at the moment pending with the American Government, with the object of obtaining a grant of land in Upper California, with the view to the formation of colonisation; and by the necessary outlay for the erection of storchouses and depots at San Francisco, and other points, to afford accommodation to emigrants, and, in fact, becoming shipowners, merchants, and agents, thus facilitating the objects of those who may visit this highly-fivoured clime. The pursuit of gold-hunting will, it appears, not escape the attention of the company, but we think they will do well if they confine their operations to the early part of their prospectus, as with good management, if well supported, wealth may be said to be within their grasp.

GOLD Regions of Texas.—If we may credit the traditions of the Indians and the historical records of the Sannards, the gold region of Texas, on the

their operations to the company, but we think they will do well it they contine their operations to the early part of their prospectus, as with good management, if well supported, wealth may be said to be within their grasp.

Gold Region of Texas.—If we may credit the traditions of the Indians and the historical records of the Spaniards, the gold region of Texas, on the Rio Puerco, is as rich in the precious metals as the now calabrated usines of Feather River and Alta California. The ruises of an extensive city, reared in ancient days, like the famous Tadmor of the desert, rise in lonely grandeur in this wild regions, and bear silent but positive testimony that something more than agriculture was the basis of its prosperity. The turrets, spires, and domes of this once populous city still remain, but destitute of everything that betokens civilized life. The wild deer, antelope, and mustang browse the herbage which grows luxuriantly in its deserted streets, and the savage Camanche, or Kioway, pliches his rude lodge beneath its now dismanted namparts. This city is the Grand Quivira of the Spaniards, and was founded soon after the conquest of Mexico by Cortex. The Spaniards penetrated into this region, and established flourishing settlements at a very early day, and almost immediately after, the city of Mexico and adjoining provinces were organized into a Spanish viceroyalty. The Spaniards of that day were not stimulated by a desire to acquire agricultural wealth, and they made few settlements in district that were destitute of valuable mines of the preclous metals. Their conquests all had one object—u incral treasures. Gold and aliver were sought for in all parts of the new work, where their arms could penetrate. The country around Grand Quivira is an arid, weother, where their arms could penetrate. The country around Grand Quivira is an arid, weodiese plain, and there is no spring of water or stream within ten miles of the city. These are no traces of cultivated fields. For what object then were these huge struc

NEW PATENTS.

P. F. Gougy, gent.. Paris, for improvements in apparatus and machinery for lifting and moving heavy bodies, and for raising and displacing fluids.

R. A. Brooman, of the Patent Office, Fleet-street, London, patent agent, for certain mprovements in the massinature of artificial limbs. (Being a communication.)

J. G. Gibson, Ardwicke, near Manchester, machinist, for certain improvements in machines used for preparing to be spun and spinning cotton and other fibrous subtances, and for preparing to be woven sad weaving such substances when spun.

A. Wilkins, brewer, and W. Stacey, engineer, both of Bradford, Wilts, for certain improvements applicable to heating and boiling of liquids of any kind or description.

L. W. Wright, Chaiford, Gloucestershire, civil engineer, for improvements in preparing arions fibrous substances for spianing, and machinery or apparatus consected therewith.

W. Kenworthy, Blackhurn, Lancaster, cotton spianner, for certain improvements in over looms for weaving.

E. nage, ruscoury-square, manusex, merchant, for improvements in the manufacture soap.

DESIGNS FOR ARTICLES OF UTILITY REGISTERED.

M'Adam Brothers and Co., Soho Foundry, Belfast, eccentric tappets for steam-engines.

J. Hynam, 6 and 7. Princes-square, hexagonal hinged box for matches.

W. Riddle, Whiterfars, porte fascon, or wine bandle.

W. Dixon, Liverpool, window ventilated.

T. Ash, Birmingham, fastening for stair-carpets.

Frost, Nockes, and Vincent, Brick-lane, Whitechapel, steam pressure gauge,
R. and E. Alcock, Doctors' Commons, bust improver.

S. Steppard, Birmingham, tap.

Barwell and Co., Northampton, Eagle Foundry, heat-diffusing stove.

J. Robinson and Co., Commercial-road East, improved walsteout.

E. Rogers, Abercorn, Monmouthshire, rest for the forward ends of loaded carriages nile being tipped.—Mechanics' Magazine.

COAL MARKET, LONDON.

PRICE OF COALS FER TON AT THE CLOSE OF THE MARKET.

MONDAY—Buddle's West Hartley 15—Charbotte 13—Chester Main 14—East Adair's Main 17 6—Jonasochn's Hartley 12 6—New Tanfield 13—Chester Main 14—East Adair's Mediter's Primores 12—Emith's Pontop 11 6—Famifield Moor 13—Tanfield Moor Butes 12 6—Walker's Primores 12—West Hartley 15 6—Walls's End Brown's 13—Brown's 6as 12 6—Framwellgate 14 6—Killingworth 13 9—Eden Main 15—Belmont 15 6—Braddyll's Hetton 15 6—East Hetton 14—Eyons 15—Hawell 16 3—Russell's Hetton 15 9—Stowart's 16 6—West Keepler 14 9—Whitwell 13 9—Caradoc 15 6—Cassop 15 6—Kelloe 15 3—South Hartlepool 14 6—Thornley 14 9—Trimdon 13—Adelaide Tees 15 6—Tees 15 9—Whitwell 14 6—Howard's West Hartley Netherton 15.—Ships at market, 240; sold, 83.

WEDNESDAY—Buddle's West Hartley 15—Davison's West Hartley 15—East Adair's WEDNESDAY—Buddle's West Hartley 15—East Adair's

Hartley Netherten 15.—Ships at market, 240; sold, 83.

WEDNESDAY.—Buddle's West Hartley 15—Davison's West Hartley 15—East Adair's Main 12 6—Hartlepool West Hartley 15—Davison's West Hartley 15—Jonassohn's Hartley 12 6—Ewe Tansfeld 24. North Percy Hartley 14.3—Ord's Redheugh; 12.6—Swe South Pontop 11 6—Tansfeld Moor 13—Tansfeld Moor Bute's 12.6—Walker's Primrose 12.6—West Hartley 15.—Wall's End Brown's Gas 12.6—Framwellgate 14.6—Hedworth 16.6—Harvion 18.9—Wharneliffe 14.3—Eden Main 15.—Bell 14.6—Lyons 15.—Hetton 16.—Haawell 16.3—Hutton 15.—Jonassohn 14.6—Lambion 15.6—Stewart's Hartley 14.—West Keepier 14.9—Benson 14.—Thornley 16.—Trimdon 13.—Adelaide Tees 15.3—Denson 14.6—Richardson's Toes 16.9—South Durham 14.3—Toes 15.9—West Hetton 14.6—Jonasson 15.—Hordy 15.—Denson 14.6—Hartley 14.6—Howard's West Hartley 16.—Derwentwater Hartley 14.6—Hortley 14.6—Howard's West Hartley Metherton 16.—Sidney's Hartley 15.—Ships a market, 272; told, 91.

FRIDAY.—Adair's Main 12.—Hasting's Hartley 15.—Hotywell Main 15.—Now Tansfeld 13.—Original Tansfeld 10.6—Ord's Redhough 12.6—Ravensworth's Pelaw 14.3—Stewart's Hartley 15.—West Hartley 15.—Wall's Endied Moor 15.—Ravensworth's Pelaw 14.3—Stewart's 16.—Shotton 16.—Stewart's 16.—Shotton 16.—S

CUNNINGHAM AND CARTER'S NEW SYSTEM OF RAILWAY PROPULSION.—Railway Directors, Engineers, and the public nerally, are invited to examine this system, which saay be VIEWED on Mondays, Weddays, and Saintriays, from half past Eleven to Three o'clock, at Ingram's Manufact 29, CITY-ROAD, near Finebury-square.

SUNDERLAND DOCK COMPANY.—LOANS ON DEBENTURES.—The directors of the SUNDERLAND DOCK COMPANY are prepared to RECEIVE TENDERS OF LOANS, in sums of \$500 and upwards, for periods of three years; and in sums of armaller amount for periods of three years.—to be secured on the company's debentures, bearing interest at the rate of \$5 per centum per on the company's debentures, toward, at the Dock Offices, 12, Sunniside, Sunderman payable half-yearly.

By order,

MICHAEL COXON, Secretary.

TEAM TO INDIA AND CHINA, VIA EGYPT.—Regular MONTHLY MAIL (steam conveyance) for PASSENGERS and LIGHT GOODS to CEYLON, MADRAS, CALCULTA, PENANS, SINGAPORE, and HONG-KONG, THE PENINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY BOOK PASSENGERS and RECEIVE GOODS and PARCELS for the ABOVE PORTS by their steamers—starting from Southampton on the 20th of every month; and from

BOOK PASSENGERS and RECEIVE GOODS and PARCELS for the ABOVE PORTS by their steamers—starting from Southampton on the 20th of every month; and from Sase on or about the 10th of the mostle.

BOMBAY.—Passengers for Bombay can proceed by this company's steamers of the 99th of the month, to Malta, thence to Alexandria by her Majesty's steamers, and from Suez by the Honourable East India Company's steamers.

MEDITERRAKEAN.—MALTA—On the 20th and 29th of every month. CONSTANTINGUE.—On the 20th of the month.

SPAIN AND PORTUGAL.—Vigo, Opporto, Lisbon, Cadis, and Gibraitar, on the 7th, 17th, and 27th of the month.

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